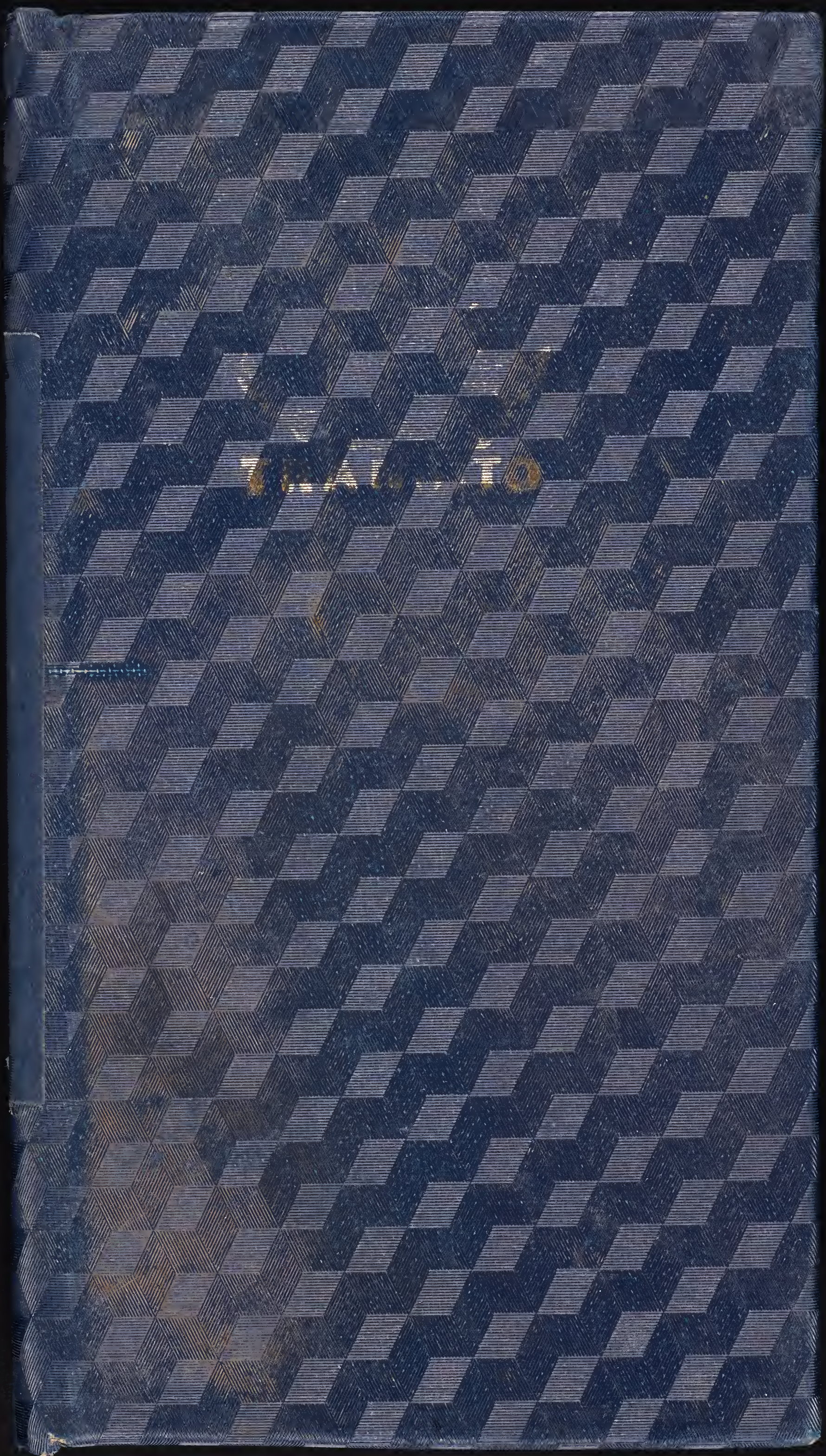


Roberto Reitsma
91-92 Book II

Lemme Condo

Quilley Forest 15 March Chapel

Pt. 14 617 40%

Sp or Wren 1 — Carolina Wren (1)
RT Hummer 1 — YT Euphonia (1)
Social Fly 11 — RCA Tanager (1)
Little Thomas (1) — Brown Jay (1)
N. Cross Nut 1 — So Rump Tail (11)
Red Eyed Vireo (11) — GBS Grosbeak 1
Green Heron 1 — CSWT 1
A. Col Robin 1 — No Cardinal 1
LEPL (1)

Pt 15 632 70%

Yellow Throat 1 — Yell Warb 1
BT Solitaire 11 — Grams, Coll Jay 1
YB Cacique 1(1) — RT Hummer 1
Sp or Wren (1)(1)(1) — YBFL 1
BT Solitaire 1 — Common Gd Fly 1
Wilsons 1
Attila (1) — RBT Wren (1)
Mangy (1)
W N Jacobin 1 — LEPL (1)

Pt 16 618 25%

YO Fly 1(1) — RT Hummer
N Drop (1) — BBFHC (1)(1)
Sp or Wren (1) — Social Fly (11)
BT Solitaire 1(1)(1)
D. Ambird (1)
Red Eyed V (11) — BBG 1
Wilson (1) — M. Blackbird (1)
Lesser Kiskadee (1) — ~~Yellow Throat~~ RT Solit (1)

Pt 17 701 35%

N Bluebird 11 — BT Solit (1)(1)
Yellow Throat 1 — 15 — Sp Or Wren 1
Social Fly (1) — Red Eyed V (1)
Masked Tanager 11 — BBFHC (1)
Bl Nosed (1) (1) — YBC 1
Red Eyed Vireo 1 — SWT 1
PSBH 1 — Wilsons (1)

Pt 18 718 45%

B. Grosbeak (1) — Chaco Loc (1)
Blue Bird (1) — S. Rump (1)
GBS Grosbeak 1 — M. Bl Cardinal 1
Y W Tanager 1 — Sep Cap Fly 1
Social Fly (1) — Cinn Col Jay (1)
B Bicheat Wren 6 — Wilsons 1
BT Solitaire 1 — Cl 1
Sp Cardinal (1) — Cin Coll Jay (1)

Pt 19 735 75%

Social Fly (1) — YBFL (1) Phoen
C. Wren 1 — Mourning 1
WB Emerald 1 — Jacobin Wood (1)
Wilsons 1 — Cathbird 1
Gr Hummer 1 — Sp Sparrow (1)
RT Hummer 1

Pt 20 746 70%

Sp or Wren 1 — Unknown
YBFL (1) — Yell Warb (1)
M. Blackbird (1) — B Antshrike (1)
Brown Jay (1) — Gray Antshrike (1)
Red Eyed (1) — RT Hummer 1
GBS Grosbeak 1 — BC Wren (1)
Attila 1 — Trop Mockingb 1

C

Cloudy, cool

7 DEC Bluffs of Torres

Spain	Monbey		Noise		
B T Nat Tan h		0 2	5R		
L [illegible]		[illegible]	[illegible]		
Pale St Lupsh		1,1	10		
VBL h		2 6	16L		
Jacksay h		2 2	[illegible]		
RC Air Tanager h		2 7	11R		
WBuntings h		2.3	10R		
Spadebill h		2.6	9R		
4 Ost Wagtails Wrens		2 7	[illegible]		
Sp or Wren h			16R		
WBreasted Wren h		1	[illegible]		
Kendeigh h		3.4	5L		
Loddigs h		[illegible]	[illegible]		
Thrush h		[illegible]	[illegible]		
Wood Pewee h		3 6	[illegible]		
2 Spadebill		[illegible]	[illegible]		
2 Little Wrens		[illegible]	[illegible]		
Orange			14R		
Mangrove			10R		
2 Yellow Warbler			[illegible]		
2 [illegible]			[illegible]		
1 [illegible] Jacob			[illegible]		
Tanager Spotted Sp			[illegible]		
Tanager			[illegible]		
Sol Tanager Fly			[illegible]		3

[illegible]		5	1R	4	
[illegible] h		4.2	8L		
7 [illegible] h		4.1	9L		9/15
[illegible] h		4.4	14L		
Bro [illegible] h		4.1	7R		
Kendeigh h		4.5	10L		
Mo [illegible] h		[illegible]	[illegible]		
Wood [illegible] h		4.2	10R		
LB [illegible] h		4.5	8L		
Bu [illegible] h		4.5	7R		
VS [illegible] h		4.3	[illegible]		
2 [illegible] h		4.0	8L		6/12
[illegible] h		[illegible]	[illegible]		
[illegible] h		5.1	12R		
B [illegible] Wrens		5.2	3L		5/11
[illegible] h		5.1	8L		
[illegible] h		6.2	15L		
[illegible] h		6.1	7R		
[illegible] h		6.6	15L		10/16
[illegible] h		7.6	7R		
RT [illegible] h		7.1	15R		
[illegible]		8.1	8L		12/20
[illegible]		8.1	10L		
[illegible]		8.1	15		2/22
[illegible]		8.1	7		
[illegible]		9.1	9R		
[illegible]		9.1	12R		
[illegible]		9.6	[illegible]		
[illegible]		9.2	15R		
[illegible] Warblers		9.7	9L		19
[illegible]		9.6	[illegible]		
[illegible]		10.2	[illegible]		
[illegible] Gnat		9.9	8R		
[illegible]		10.2	11R		
[illegible]		[illegible]	7L		19/19
B [illegible] h		10.9	4L		
[illegible] h		10.3	5L		
[illegible] h		10.7	[illegible]		
[illegible]		[illegible]	[illegible]		

C

Kentucky h	C	10.8	10L		
W Southern	C	10.7	16L		
2 So Br Wesn	C	"	"		
Oldy Auckland	L	10.8	18L		
Bradfield h		11.4	8L		
2 Oklahoma S		11.5	7L	4/12	
Kansas					
Kendall h		11.9	6R		
Wilson h		12.5	8L	3/10	
Overhead h		12.2	20R		
Redstart		12.6	10R	1/4	
O					
Nook Shoulder		13.5	15R		
Thousand Hill Maroon		14.1	10L		
W B Wesn	h	14.2	9L	2/10	
L Vernon S		14.3	22L		
Lassen Grant	h	15.1	20L		
KB Longcoat S		15.4	6L		
Sylph Image Plus		15.5	OC	1/5	
Dash Hudson		15.5	OC	5/6	
" Cap Fly	h	15.1			
Navy h		15.8	18R		
Holistic		16.1	17L		
W Sylvester	S	17.3	18L	1/21	
Spotlight	S	17.5	12L	2/21	
Little Numbers	S	17.7	3R		

O Bucharina	h	15.5	17L		
Sol's Man	h	19.1	30L		
Bold Auckland	h	19.4	20R		
W B	h	19.2	9L		
Bl Shadow	h	19.7	6R		
Dr Dick Tracy	h	19.7	12R		
Sunset		19.6	4L		
2 Jocks		17.2			
4x9 11		Spider	5	3½	6
3x3 11 1		Nanigot	4	1	6
3x6 11		Hardown	7	3½	6
3x12 1		Longcoat	3	4	6
3x9 11		Spider	9	[illegible]	6
3x5		"	9	[illegible]	6
3x12 1		Spider	3	[illegible]	6
3x6 11	1 1/4	Longcoat	9	[illegible]	
3x3 1					
3x12 1					
3x9 1					
3x3 1					
3x12 1					
3x15 1					
7L					
6x10 11		Jackson	6	[illegible]	6
3x6 11		Lord	4	3x	6
5x12 1		Stump	3	[illegible]	6
3x6 11		Colonel	3	[illegible]	6
3x9 1		[illegible]	12	[illegible]	6
3x8 11	19M	Cap Lady	3	[illegible]	6
3x10 1			13	[illegible]	6
3x6 11					
3x12 1					
3x8 1					
3x10 1					
3x6 1					
3x12 1					
3x9 1					
3x12 1					

POINT COUNTS FOREST MANAGEMENT

9 DEC Lomita B. Ca. Ramona House

Pt 14b Foggy Cl. 850 658

Redshouldered 1

3 Wood Tanager III

Melodious Blackbird (1) 1♂

YO Flyc 1

GO Wdpcr? lower chorr - chum chum (1)

Hermit 1

Magpie? 1

Pt 15b ~135m downstream 720

Great Crested Flycatcher (1)

Trop Pewee 1

Melodious Blackbird (1)

YB Cacique 1, (1)

Redshouldered ♂ 1

Spotted Towhee (1)

YB Flyc 1

[VBTL]

Ovenbird 1

Wilsons II♂

BB Cuckoo (1)

Magpie 1

Cassin's Sp 1

Variable Seedeater II

Hermit

Kentucky (1)

Pt 16b Behind Family Block 800

Redshouldered 1

YB Flyc 1

Red Legged Honeck (1)

Lesser Vireo (1)

Hooded Warbler (1)

Red Bellied (1)

Cassin's (1) (1) * Maybe in early Manchuria wood thrush

Hermit (1) (1)

Wood Pewee 1

YB Flyc

Black Billed Cuckoo (1)

Red Bellied Woodpecker (1)

Lesser Vireo (1)

Green Flycatcher (1)*

Wilsons (1)

Red Bellied (1)

Lesser Vireo (1)

Streak Eared Wdpcr (1)

Wilsons (1)

Pt 17b Behind Chapel & Greenhouse 855

Pt 19

Hermit

YO Flyc (1)

Redshouldered (1)

Wilsons 1 1

Red Legged (1) (1)

Lesser Vireo (1)

BB Cuckoo 1

Pt 18b Behind Lower Pond 945

Wilsons 1

Chestnut Sided 1

Hermit 1

Kentucky 1

Redshouldered (1) Cassin's (1)

Redbellied 1♂

Redbelly (1) Cassin's Sp (1) BB Cuckoo (1)

Wood Pewee (1) Spec Cap Yellow 1

Hermit (1)

B 55 - 95

Oliver 735 745 Pb Oct 8 10

15 Oct '01 Sonic Pomona Clear

Trump	Gryphon	L	19.2	8L	
LEPL	h		19.6	8L	
CHT	h		19.7	8L	
South Shore	Non	h	19.2	5L	
Carlos	h		19.8	15R	
Gem City	Pyc	15	19.8	11L	3/8
Pulchelphalen	h		19.1	13L	
LEPL	h		19.3	10L	9/9
Nimrod	h		19.5	20L	
CHT	h		18.6	16L	
Carlos	h		18.8	11L	3/6
V+S	h		18.5	12R	
No Dark	g	s	18.3	10L	8/8
V W Dab	♂	ds	[illegible]	[illegible]	6/8
LEPL	s		18.2	20L	2/2
Carlos	h		17.4	9R	
CHT	ms	s	18.1	5R	3/6
Yo Bryc	h		18.1	5R	1/6
Rhythmly	h		18.2	12L	
Yellowstone	g	s	17.8	19R	9/9
VT Cobra	♂	s	17.7	6R	1/6
Carlos	h		16.8	10L	
LEPL	h		16.3	7R	
Carlos	s		16.3	1R	
CHT	h		16.6	5L	1/4
Carlos	s		16.2	3L	

College Stearns — Sunday grass
Weather Stormy
Steaming

	Nimrod	h	14.8	5R	
	WD	h	14.7	6L	
	LEPL		14.5	9L	
	CHT	s	14.7	7L	
	Instruments	s	14.2	6L	1/4
5	Gr Amber	g	13.8	6L	
	Yellowstone	g	14.1	2L	9/11
2	Mazel Tov	s	13.7	1L	4/5
2	Bit Tomorrow	s	14.1	2R	10/11
	Wildcard		14.1	3L	9/11
12	Quick Draw	g	12.8	9R	
	Squirrel Cage	s	13.4	10R	9/9
	Evening	s	12.5	9R	
3	No Quarter	g	12.3	9R	
	Nashville Wind	s	12.1	9R	3/4
	Good Cedar	s	11.7	6R	
	WD	h	12.9	1R	
	[illegible]	h	10.5	8R	
	Carlos	s	9.9	1R	
	Gunfighter	h	9.9	14L	
	BT Wise	s	9.5	1L	
	Bit	h	9.9	10R	
2	LEPL	h	7.5	6R	
	[illegible]	h	7.3	8R	
	[illegible]	h	7.9	7L	
	Carlos	h	7.1	7L	
	[illegible]	h	7.1	1R	
	CHT	h	7.1	6R	
	Rhythmalish		6.1	16R	
	Quickness	s	5.9	0.0	1/2
	Yellowstone	h	5.1	20R	
5	Shake Out	s	4.7	18L	
	[illegible]	s	4.5	4L	
	[illegible]	s	3.9	5L	1/2
	CHT	h	3.2	7R	
	LEPL	h	3.7	15R	
	Carlos		2.9	7R	1/2
	CHT	h	2.5	1L	
	[illegible]		2.8	4L	
	[illegible]	h	2.3	6R	

C

Cliff Robinson	S	1.9	16R		3
Cliff Robinson	S	1.0	5R		1
2 Wins					
Blackwatchers	S	1.3	6L		2/4
Cliff 7	S	1.4	3L		
B.B. King		1.5	17R		
Carlos	S	1.3	14R		
Zwick	S	0.3	7R		
LEFL	S	1.3	2R		0/1
Bobby	S	0.7	9L		
WDF		0.1	15L		
LEFL	L		5L		
Bugs	18				
Lux	11	Deluxe	2		
Lux	11	Spike	2		
Shell	7 M				
Total					
LEFL	10	Deluxe	1		
Cliff	11	Spike	5		
Bugs	10				
Brown	2				
Blackwatchers	2				
Robinson Bros	4				
Wins	1				
Robinson Bros	4				
Wins	1				
Blackwatchers	4				
Wins	1				
Blackwatchers	1				
12	2				

Resultant	S	19.9	19	20/20	
B.B. Lynch		19.5	17L		
Bulcraft	L	19.9	10R		
[illegible]		18.8	7L	9/14	
[illegible]	L	18.5	7R		
[illegible]	L	18.5	[illegible]		
[illegible]	L	17.9	18L		
[illegible]	S	17.7	14R	20/23	
Bryant	L	17.5	16L	17/22	
Brown	S	16.8	6R	5/25	Left
Williams	L	17.1	15L		
Woodstock		17.2	12L		
[illegible]		17.1	6L	1/14	
[illegible]		"	3L	8/10	
[illegible]		"	5L	8/15	
2 Nicholas Brothers		16.9	8R	17/23	
[illegible]	L	16.9	6R	0/5	gap
[illegible]		16.7	3R		
[illegible]	S	16.7	13R	15/25	
[illegible]	L	16.5	12L	0/10	
[illegible]		16.6	10L		
[illegible]	L	16.3	5L		
[illegible]		15.9	4R	19/22	
[illegible]	S	15.9	20R	16/20	
[illegible]		15.8	1L		
[illegible]	L	15.8	18L		
[illegible]	L	15.8	10L		
[illegible]	L	15.5	3L		
[illegible]	S	15.5	8R	13/16	
[illegible]		14.4	11L		
[illegible]		14.9	5L	3/20	
[illegible]		14.8	4L	9/15	
[illegible]		14.6	1	1	
[illegible]		14.3	15R		
[illegible]		13.7	9L		
[illegible]		12.6	7L		
[illegible]		14.6	7R		
[illegible]		11.1	9R	4/5	
[illegible]		10.0	1R	2/4	

Land that the Oriole in Back 1, 6 F
Sh

Longest Flight 100 YR

YBEL s	9.8	7R	19/8"
W Sand s	9.5	5R	5/18
W Robin h	9.6	2L	
Ro Finch h	9.1	10L	
Mourning h	8.6	5R	
W/M	8.4	8L	24/25
2 Lark Bunting	8.3	12L	
Alt Va Sparrow	7.5	9R	20
2 No Oriole ♂		8L	21
Dickcissel		5L	19
Blue Grosbeak		7L	8/22
Royal Flyc	7.5	8L	20
Rose-breasted G	7.3	17R	19/22
Bobolink ♂	7.2	17R	11
2 Meadow larks	7.3	12R	16/22
W Tanager h	7.1	17L	3/25
Kingbird Wooper	7.5	16L	
YBCL			
2 Brown			
Bl Th Tan &		13L → 7R	
Sh Tail Warbler			
Indigo		6.5	
10 Pine			
~~Nought Nuthatch~~			
Red Cap Phyl			
Cow Bird			
Sh Vireos			

Bl Gr Grosbeak h / Lesser Goldfinch h / 11 Black W Warbs

W Tanager and Ou also see very, I believe

Y Vireo	6.8	17R
Mourning	6.9	15R
RT Nuthatch	6.8	14R
BTNW ♂	6.8	15R
N Oriole h	7.1	15R
Lawsn Altamira h	4.9	13R
Murphy	5.1	18R
Red Bellied ♂	4.3	2R
W Sw Warbler h	3.8	5L
W. Pewee	2.4	6L
Magnolia	2.7	5L
2 Sp Sw Warbler h	2.3	9L
Wilson's Flycatcher	2.2	6
Yellow h	2.2	8L
2 Grasshopper Sparrow h	2.1	11L
W Sparrow h	2.1	6L
" s	1.3	7L
Cerulean h	0.9	6R
GO W Warbler h	1.1	12L

Redstart	7
YBCL	4
W. Pewee	4
BTNW	3
Wood Thrush	3
Chip Sparrows	1
Red Eyed	2
Murphy	6
No Oriole	3
Lawsons Altamira	1
Y Vireo	1
Yellow Warb	1
	41

C

Stanford Woods 19.7 10R

Sunday Sun 6, 910

12 Dec ANNUAL

Dilly Hatch		19.4	10R		
[illegible]		19.4	2R		
→ Redchief Pk		19.4	9L	8/9	
No Wheelbarrow h		19.3	7L	1/9	
Volleyball Wheeler		19.1	5L		
Mingo h		19.1	20R		
[illegible] h		19.1	18R		
Wheelbarrow Bundle		19.1	1L		
Ruffling Salt		19.1	13R		
Little Lemito		19.1	0.0		
Redchief		19.1	6L	1/8	
Nancy h		18.9	7R		
Wilson h		18.9	10R		
2 Red Crown	Ard Tom h	19.3	9L		
Silver Tee Pye h		18.9	5L	1/7	
3 Rebuttal	Ard Tom	18.8	12L		
Common Colt Pick		18.6	6L		
Kentucky h		18.7	9R		
Buffalo Salt s		18.5	5L	1/9	
Wilson h		18.6	6L		
[illegible]		18.8	1L	1/8 Con	
Red Hot [illegible] s		18.7	4R		
Check Sid [illegible] s		18.6	4L	2/9 Con	
[illegible] s		18.5	10L	4/8	
Wilgong s		18.1	1R	"	
[illegible] h		18.3	5R	1/8 Con	

Left off the [illegible] end

Kentucky Hatch	B.2	5L		
Hooked [illegible] h	17.9	5L		
GC Pocked Spaniard	17.9	17R		
[illegible] h	18.1	3R		
Spudebuck h	17.8	4L		
Mogul h	17.9	5L	2/8	
[illegible] s	17.9	7L	7/9 Con	
3 Bicycle Sadik	17.5	10.20L	12/25 Con	
GO Wapiti s	17.2	14.2	6/9	
[illegible]				
BSW [illegible]	17.2	18R	7/9	
[illegible] h	17.1	6L		
[illegible] h	16.8	7L	1/12	
1 Bo [illegible]	16.5	11R	9/10 Con	
Yellow [illegible] h	17.3	1L		
[illegible] s	16.7	3L	1/7	
[illegible]	16.7	13R		
[illegible] s	16.7	8L	7/10 Con	
SWA [illegible]	16.7	8R		
[illegible]	16.6	3L	2/10	
[illegible]	16.8	2R	3/9	
7 [illegible] h	16.7	17L		
[illegible]	16.2	1L		
[illegible]	16.5	7R	8/10	
Virginia [illegible]	16.1	10L	8/9 Con	
[illegible] h	16.1	6L		
[illegible] s	15.9	3R	7/10 Con	
GO Spaniard h	15.8	9L	1/8 Sup	
[illegible] h	15.7	8L		
[illegible]	15.9	9	5/8	
[illegible] s	15.6	15	5/12	
[illegible] s	15.9	3R	3/11	
[illegible]	15.1	2R	6/11	
[illegible]	15.1	3L		
[illegible]				
[illegible]				
[illegible] s	15.1	[illegible]	[illegible]	
[illegible] h	15.8	[illegible]	[illegible]	
[illegible]	15.4	6L	1/12	
[illegible]	15.4	1	0/11	

C

Red Clover & Hd Seed

2 Bd W & C		11.5	7L	8/13	12/13 Plama Vines
Long Tail Mint	h	14.5	1R		
Thick Seed Weed	s	14.5	1L	9/10 Cen	
Dock Sh Ab	h	14.4	13L		
Sweet Alyssum	h	14.4	11L		
Bed & Lobelia	s	14.4	14L	Fallen	
Volunteer Clarence		14.1	9L	7/10 Cen	
Jamaica Seed	s	"	"		
Geranium	h	13.8	3L		
Petunia	h	13.8	6R		
VB Cucumber	s	13.9	6L	3/10 Ulm	
→ The Mother of the mysterious					
weight No call.					
3 Pk Hd Seed		13.8	11R		
Begonia Autumn Leaves		13.8	1L		
Corn Cob Tom	s	13.7	1R	7/10	
White Potato	h	13.4	11L		
Lilac Dennis	h	13.3	7R		
Corn Ball Cucumber	s	13.2	2L		
Black Eyed Susan	h	13.1	7L	Frost	
Bed & Lobelia	h	13.1	9L	Plant	
Ish Coll. Marigold	h	13.2	6L		
2 Spider Mum	h	13.1	20L		
Nicotiana	h	12.6	15L		
Young Leaf Nettle		12.5	1L		
Infusoria Special		12.5	1R		
→ Quivering till of same					
mix quality					

Ish Tall Flax		12.1	7R	10/11	
[illegible]		11.9	6L		
[illegible]		11.9	3L		
[illegible] Cucumber	s	11.3	11L	9/10	
Blue Salvia	s	11.5	3L		
[illegible]		11.5	3L		
[illegible]	s	11.5	7R		
[illegible]		11.5	1R		
[illegible]	s	11.5	1R	8/15	
[illegible]	h	11.5			
[illegible] Marigold	h	11.4	3L		
Bed Lobelia	s	11.3	3R		
[illegible]		11.2	7R		
Sweet Alyssum	h	10.7	8R		
Bed Lobelia		10.1	8R		
[illegible]	h	10.7	15L		
[illegible]		10.7	17L	23/27	
[illegible]		10.4	9L	8/9	
[illegible]		10.1	15L	10/13	
[illegible]	s	9.3	10L	9/10	
[illegible]	h	9.9	3L		
[illegible]	s	9.6	8L	10/13	
[illegible]					
[illegible]		8.1			
[illegible]		8.1			
[illegible]	h	7.9	12R		
[illegible]	h	7.8	11R		
[illegible]	h	7.7			
[illegible]		7.7	9L	23/24	
[illegible]	s	7.6	1R		
[illegible]		7.6	1R		
[illegible]					
[illegible]	h	7.5	12L		
[illegible]	h	7.1	8R		
[illegible]		6.8	2L	9/10	
[illegible]		7.1	10L	7/10	
[illegible]		6.9			
[illegible]		6.3		5/10	
[illegible]					
[illegible]		6.4			

3 Bl Forest Gunville	6.1	11	10/32	
Little Hermits	6.2	1L		
Bequest h	6.1	11L		
3 Hill Wrightson	"	"	"	
OE Great	"	"	"	
2 Monbah Tam	"	"	"	
Muley Prod	5.3	9L		
WBL	5.2	8R		
2 Alyssa Gr. Lish	5.2	10R		
B/G Lancastr.	5.2	9L		
Chst Sid Lish h	5.2	16R		
IN Flamb h	"			
Dicky Audio h	4.4	7L		
Sp Br Ulen h	"	13L		
Bimmel Antish	4.1	1L		
BTNW 2 s	4.2	8L		
Boobed	4.3	18R		
Gustav h		14L		
Bl Forest Friends		10L		
Black Chief Inspir	3.8	20L		
Kilt A Tam h		7L		
OK Spencer h		6L		
WBL Wren h		8L		
LBR Rmx	3.4	7L		
Yeahwhy	2.4	12R		
Theba Inst	1.5	2L		
Wing	1.1	15L		

Hanged	1.2	9L		
[illegible]	0.9	13		
Unknown	0.8	20R		
Fr Jerusalem Rys	0.6	9L		
B G S	R S			
[illegible]	Oakleigh	6	3L	[illegible]
[illegible]	[illegible]	2	6L	[illegible]
[illegible]	[illegible]	4	4	[illegible]
[illegible]	Glenlight	6	[illegible]	[illegible]
[illegible]	[illegible]	4	[illegible]	[illegible]
[illegible]	[illegible]	3	4	[illegible]
[illegible]	[illegible]	2	[illegible]	[illegible]
[illegible]	Sylvanus	12	[illegible]	[illegible]
Plum	[illegible]	5	[illegible]	[illegible]
	[illegible]	2	[illegible]	[illegible]
	[illegible]	0	[illegible]	[illegible]
Gloria	[illegible]	5	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
Unknown	Spencer	3	[illegible]	[illegible]
Delicious	8			
[illegible]	3			
[illegible]	7			
[illegible]	16			
[illegible]	4			
[illegible]	3			
Chst Sid Lish	5			
[illegible]	4			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	1			
[illegible]	57			

BOSQUE 10

Pt Counts 13 DEC '91

Pt 23 75 m NE [illegible] of 200

Little Hermit 1 ~~Sunny~~ Cloudy 655

Green Jay 1,1

YBFL 17 m Magpie 1

LB Gnatcatcher (1) Lesser Goldfinch (1)

Kentucky (1) NBN Nuthatch (1)

Bendire's (1) Pygmy Nuthatch 1

Longspur, Falcon 1, Gol Wdpkr 1 1

Pt 24 NE 150 m 715

Little Hermit 1 Thrashers (1)

Wood Thrush (1) Gr Gr Flyc (1)

YBFL 1 10 m Robin 1

Juniper 1 Red Morph (1)

Lesser Goldfinch (1) Bendire's (1)

Spotted (1) LB Gnatcatcher (1)

Pt 25 NE 150 m 736

N Bn Wdpkr (1) Cactus 1

Gr Gr Flyc (1) N Bn Thrasher 1

Little Hermit (1) Pygmy Nuthatch

Thrasher Nest (1)

G. F. Wdpkr (1)

Pt 26 NE 150 m 758

Long Tail Hermit 1

Little Hermit 11

G. G. Flyc (1) Lesser Goldfinch (1)

Pt 27 NE 150 m 820

YBFL (1) (1) Green Jay 1

Little Hermit 1 1 Gold Front Wdpkr

Pt 28 847

RT Ant Tan (1) Spotted 1

Z Sp Br Thrasher 1 1 Juniper 1

Dot Wing Antwren 1 1 YBFL 1

Long Tail Hermit 1 Nuttall's Tan 1 1

Wood (1) (1) Wdpkr 1

~~Hermit~~ Bendire's 1

Lesser Goldfinch (1) ? Gold Front Wdpkr

Nest

Pt Gnatcatcher Nest, no wing bars, black eye line.

14 Dec '91 Pointing Counts

SC Pyr Chat 1 Chipping Sparrow

(Grasslands) ~~Pt~~ Gray

642

Spotted (1)

Western (1) YB Flt (1)

Ant Tan (1) Spotted (1)

C Flt 1 1 Bn Crepe (1)

Long Tail 1 1 Lesser Gold

Nuttall's Tan 1 Spotted Bn 1

Dot Wing Ant (1)

Sp Br Thrasher (1)

Wdpkr (1)

Pt Pt 12 [illegible]

Spotted (1) [illegible]

Spotted (1) [illegible]

Gray (1) 1 [illegible]

Swifts stop below 2 cattles

Sp Yellowthroat (1) | Buff-rump 1
Yellow (1) Dark (1) | Clay-c Bit 1
Gr-headed Black | Williams 1
Redstart 1 | Grbt (1)
WCD (1) | White-throat 1
Sa | LEFT 1
Unknown Sparrow → WLEVireo 1
Bird a long perch, a wire
[illegible] Cedar
Cedar

Pt 13 ~250m passed cattle on it
between Cana (1) & scrub 721
Sora
YBC (1) 1
CYT (1) 1 (1)
Spine-tail (1) Drop (1)
Yellow Wab (1) ? YB Cacique (1)
Sing Hd Warb (1) Blk-hd Sall (1)
Red Blkbd (1)(1)(1) YT Oriole (1)
Social Fly (1) <Brown Hd Cow

Pt 14 140m - before Cabaña
Yellow Wab (1)(1)? 735
Red Blackbd (1)(1) Social Fly (1)
Redst 1 ~~Yell Warb~~
Vaseline Seed 1 Mag (1)
YT Oriole (1) GJ (1)
WCS (1) YB Toucan (1)

Unknown Warbler (1) Chat 1
Pt 15 Bronzed Cow
Pt Sparrow 1 1
SUTA (1)

755
Pt 15 175m - go right under Cabaña
twitted to Pt
WCS (1)
CYT 1 Sp Bit 1 1
Bill Wagner 1
Cinnam Becard (1)
YBCZ (1) [illegible] from Tree
Yellow Warbler 1 ? Social Fly (1)
Resp Sparrow (1)
Red-headed (1)(1) Williams 1
SUTA 1 Bell's Vireo
Yellow Warbler

Pt 16 Follow Mike [illegible] 825
on left [illegible] 825m
[illegible] 825
Bell's Sall 1 SUTA (1)
[illegible] (1)(1) Yellow-throat 1
[illegible] (1) Blk-hd Sall (1)
Grasshopper (1) CYT 1
[illegible] 1 Cattle Egret 1
Ibis 1 Bewick's Tyrant (1)
YO Thrush 1 Brown Jay (1)
[illegible] (1) Spinetail
YT Oriole (1) YB Cacique (1)
Chat 1 SC Hawk (1)

Pt 17 Cut back on path [illegible]
[illegible] 1 [illegible]
[illegible] 1 [illegible]
[illegible] 1 [illegible]
[illegible] (1) [illegible] 1
CYT 1 [illegible] Warb 1 (1)
[illegible] 1
[illegible] (1) [illegible] (1)

WCS 1 — YB Tanager (4)
Collared Dove (1) — Cattle Egret (1)
10 Brown Cow — GBBANI (1)
Sprosser — Sprosser (1)
Pt 13 ~150m from 17 along track
855

(2 Aquarium)
Yellow Warbler 1 — WCS 1
Orchard Oriole 1 — GB Sparrow (1)
Scarlet Rump Tan 1 — Sprosser 1
BBG 1 — Common Tody Fly 1
GO Widper 1 — LEFL 1
Chat (1) — CHT 1
Red Bird (1) — Brown Jay (1)

Pt 19 - follow 3 tracks 175m until path comes off to right. Take path ~30m to Pt 19.
911

Killdeer (1) — Spotted (1)
Orchard Oriole 111 — CHT 1
Northern Tail Wren 1 — Red Bird (1)
GB Sparrow (1) — Little Wheat 1
Yellow Warbler (1) — Mourning
BBG 1 — Widows 1
YT Oriole (1) — Brown Jay (1)
Spot Wren (1)

No Least Flycatcher - Background - like now come behind [illegible] not and tall [illegible]

Pt 20 Back on 2 track, passed [illegible] [illegible] Entrance [illegible] [illegible] bamboo along 935
Red Bird (1) (1) — WCS (1) 1
Turkey Vulture (1) — Spotted Tan (1)
CHT (1) — [illegible] (1)
Common Tody Fly (1) — [illegible] (1)
Brown Jay (1) — Lesser Grace 1
Bow [illegible] Warbler (1)

Gamboa Point Counts
Pt 14 - Flag - just other side bridge
- blue flag
- 8m off away from rio
just up trail path

Pt 15 - In next tree patch inside bamboo along. Flag on ~150m [illegible] 2m off path inside bamboo clump

Pt 16 - ~30m across from count Ceiba off to right on Shrub bed path and tree row

Pt 17 - bottom of hill off to bottom left. 10m left of path along wide bridge

Pt 18 - across two bridges. 20m along from 2nd bridge on Pitas on high tree [illegible] Point ~ 10m away from river in middle of point open on outside

Pt 19 - Above [illegible] with
in Tall 5th grade [illegible]
Nature Welcomes. Point
spot on Tree (dbh 18 in)
to right. Play to left

Pt 20 - Tracks path veers in
left. Point [illegible]
First big [illegible] ~20 [illegible]
Point spot → 2 meter path. Play
on footpath

Pt 21 - Fallen stump by
lots of regeneration
grown on it. Stump
Right in path. Point
~8m away from Pt 19
in Cana/[illegible] way, south
Point spot on the left
path ← point

Pt 22 - Cacao Plantation
Midway 25m across
from footpath ~15m
inside plantation.
Point spot on tree across
from point. Play
on Cacao vine

Pt 23 - [illegible] Plantation
5 minutes [illegible]
Point spot on [illegible]

Pt 24 - Tree Clump [illegible]
[illegible] 2 meters off path at
[illegible] point spot on
tree [illegible] upwind

Pt 25 - just upriver from small
[illegible] path in [illegible]
[illegible] Point
[illegible] on left.
Point → Weak [illegible] cut tree
[illegible] path

Pt 26 - 10m upriver from huge
[illegible] in path. Next
Tree clump. Point [illegible]
right of [illegible]

Lower Point

Pt 27
100m upriver from Don Esteban
entrance. Point [illegible]
[illegible] on [illegible]
[illegible] on [illegible] 3m
[illegible] plantation [illegible]

Pt 1 - 50m upriver. On path [illegible]
[illegible] [illegible]
[illegible] tree [illegible]
Point [illegible] [illegible]
[illegible] path

/C

Pt 3 - Right by stick at
Dead Elderberry in
Coffee grounds
Right where Pencils
drop via GPS
Point 15 meters inland

Pt 4 - 150 m bearing west
from Pt 3. 15 m
inland. Still in
Coffee grounds

Pt 5 - 150 m bearing west
At Edge of field
15 m inland

Pt 6 - 150 m along edge
of field. Near
Leguminous tree
15 m in

Pt 7 - 150 m At bend
in path Near Aspen
stump

Pt 8 - 150 m In Well
shaded tree clump
Point on tree w/
radiate marks

Pt 9 - 135 m bearing west
in brush 15 m down
size stump. Point
on tree along side to S

Pt 10 - 150 m 15 m in
Along tall conifer
on left

Pt 11 - 225 m at base
of large tree

Pt 12 - 150 m Aspen sapling
around at stick at
bamboo grove. Point
at inland limit of
bamboo grove along
bottom of hillside

Pt 13 - 30 m after bearing
in edge of Pt 12
15 m in

17 DEC 2° BOSQUE
PT. 29 150 NW de pt 23
817

YBFL (1)
L. HERM (1)
WBWWren (1)(1) - ? 1
WBEMERALD (1)

C

Cloudy, Last Period

18 DEC URBANO TOPOST

Hooded W	h	0.3	1R	1/08	
Long-tail Wrent	h	0.8	1R		100%
Yellow-rumped	h	0.2	1HR		
Ruby-crowned		0.1	1BL		
Red-breasted	h	0.9	1SR	Gap	
WBNL	s/h	1.3	2L	8/10	
WBNL	h	2.1	2L	5/27	
Golden-crowned	h	0.3	3R		
Blue-gray Gnat		2.8	3L		
Red-tailed Hawk			2/		
Tom's Cr. Trail			5/		
Lawson's Finch			1/		
Gold. Cr. Wren			4/3.1	1BR	
Winter Wren		3.3	1R	7/20	1/20
CR Swallow					
Goldfinch			2/		
Swainson's Thrush			3.5	1SR	
Red-breasted			1/		
Cedar Waxwing			20.0		
Pileated			15/		
Hit in Flock					
WBU Warbler	h		3.2	2OL	
Bl. Tit Anth.			24	2OL	
Pileated	h	5.4	1BL	8/7	30
Winter Wrens		5.5	1L	1/7	
Brown Creeper	h	6.1	1R	9/33	

150 NW PT 29

PT 30 ON PATH 854

Gr. Jay

Ca. Bird (1) → WBWWrn(1)

Chickadee ! BENTBV(1)

T-like Man. (1) WBFL(1)

P-bill. Wdpt (1)

Golden-crowned	h	6.6	3R		
BB Nuthatch	h	6.9	1ZL		
Winter Wren	h	7.2	1R		
DB Spotted	h	7.3	1SL		
BBC Nuthatch	h	7.5	1ZL	7/9	
Red-tailed Hawk					
Tom's Cr. Trail					
Lawson's Finch					
Golden-crowned					
BB Nuthatch					
Mourning	h	8.1	1R	3/13	
WBNL	h	9.1	1L	2/30	
Golden-crowned	s	9.1	4R		
WBNL	h	9.4			
Red-breasted Nuthatch	h	9.4	7R		
		9.1	6L		
Golden-crowned	h	10.1	1R		
Downy	h	10.3	3R	1/19	
Red-breasted Nuthatch	h	10.5	7R		
Gr. Cr. Trail		10.6	2L		
Brown Creeper		10.7	2R		
Golden-crowned	h	10.9	1OL	17/21	
Red-breasted Nuthatch		11.2	1OL		
WBNL	h	11.1	1R		
Winter Wren	h	11.2	6L	0/4	
Red-breasted Nuthatch	h	12.1	1R		
Wood Duck		12.3	1L		

/C

Dens Clowby 1.9 – 2.4 Left Clow for Cultivars

Plant Wed 9 7/10 [illegible]

645 – 9/10

22 Dec MWRA

Perdita h		0.2	3R	7/6	
2 Bel Mr Seth		0.4	9L		
YBL h		0.7	15L		
2 Sp bk Wien		0.1	10L		
CYT h		0.2	18L		
Yellow wind h		0.2	12L	5/5	
UBRL h		0.7	5R	2/5	
Wisonsin h		1.1	15L		
LG Hermits		1.2	2R	1/6	
2 Sp Rumpton		1.4	7R		
Wh bel Grands		1.4	3R		
Little blue Heaven		2.2	9R	Cultivar	
CYT h		1.5	8R		
Mow Gilmen	s	2.7	20R		
CYT h		3.1	18R		
Holiday Treaze	h	3.1	19L		
WCS h		3.4	10R		
Tarenque	s	4.3	0.0		
Morgan L	h	5.3	20R		
LERL		6.3	20L		
2 Red Blind	s	6.4	20R		
Yell Wind	s	6.1	20R		
2 P.T. Sell		6.1	20R		
2 Black Tar					
Tropical Kiss	s	7.3	10R		
F WC	Seed	7.3	6R		

Lightning Dawes 8.3 8L

Pink Sambrosia		8.6	9L	
CYT		8.6	5L	
Nebulle Seed		8.5	7L	
Ruby King Hum		8.5	11L	3/6
[illegible]				
2 Red Crossfeb		8.7	5R	
2 Red Blackeds		8.7	11R	
[illegible]	s	8.5	9L	
3 [illegible]	s	9.6	1L	
CYT h		9.2	5R	
[illegible]		10.2	4L	
[illegible]		10.6	5L	
Common Tobacco		11.4	13L	
Lady Slipper/L		11.4	3L	
[illegible]		11.2	6R	
CYT		11.6	2R	
2 [illegible] Est. Flower		11.4	20R	
2 [illegible]		12.6	1L	1/6
[illegible]		12.2	18L	
[illegible]		12.7	7L	1/6
[illegible]		13.3	1L	
[illegible]	s	13.3	6L	
[illegible]		13.5	6L	[illegible]
[illegible]		14.4	18L	
7 [illegible]		15.4	13L	
[illegible]	h	15.8	13L	
[illegible]		16.4	4L	
[illegible]	h	17.3	18L	
[illegible]	s	17.5	10L	
[illegible]		17.4	7L	
[illegible]			13L	
[illegible]			1L	
[illegible]		18.3	1L	
[illegible]		18.6	18L	
[illegible]		18.4		
[illegible]				
[illegible]				

Cloudy

25DEC BDI POTRERO 415

Nathan Stephen		11	SR		
Nicholas		0.9	VL		
Jason Ingalls		2.2	20L		
Lawrence		2.9	20L		
Bob Blue		4.1	19L		
[illegible] Blue		3.6	3R		
[illegible]		3.9	1R		
Gordon		4.5	20L		
[illegible]		4.7	9L		
[illegible]		5.2	17R		
[illegible]		5.4	16R		
Sandy Eyre		7.7	20R		
[illegible]		9.5	1L		
[illegible]		9.5	18L		
[illegible]		8.9	18L		
[illegible]		8.7	18L		
[illegible]		9.7	18L		
7 [illegible]		10.1	15R		
2 [illegible]		10.5	19R		
[illegible]		10.3	1L		
[illegible]		10.7	7L		
[illegible]		[illegible]	8L		
2 [illegible]		[illegible]	17R		
[illegible]		10.9	11R		
[illegible]		10.3	17L		
[illegible]		11.1	15L		

P#5 P.T. Min

	M1	M2	F1	F2
2				
3			30 sec	
5	3:15			
	12 m			

P#6 in heavily cut over P.T. Min .833

	M1	M2	M3	F1	F2
2					
3				10 sec	

con 1 corto in 5 min. period F3 6 m

	M1	M2	F1	F2
5				3:20
		4:41		
			8 m	
2	7 in non dencolume		P.T.	.833
3	30 sec			
			15 m	
5				
2				
3			35 sec	
5			3:15	
				33 m

P1 9 [illegible]

	M_1	M_2	M_3	M_4
2			1	
3				
5				12

12 M

P2 [illegible]

	F_1	F_2	F_3	F_4
3	15 M			
5				18 M

Point Counts 26 DEC LOPEZ MATEO

Poly Clin. Ar

P1 [illegible]

Bar Owl

P2 [illegible]

P3 [illegible]

P4 [illegible]

P5 [illegible]

VEGETATION SAMPLING MODE'S

Eduardo's Potreo — 22 JAN 92

	10-9 R	8-7 R	6-5 R
Sg	12	65	60
Tg	10	7	5
Ss	43	5	5
Ms	5	2	
Sng	5		
Tng	50		
Bg	10	8	10
Stream	5	5	5
* Cleared	10	8	15

	9.8 R	7-6 R	4-3 L
Bg	15	110	3
Sg	20	40	20
Tg	5	10	5
Ss	30	20	
Ms	5	5	
Sng			15
Tng	10		
* Cleared	20	10	70
Sr	5	5	2

*Cleared = mix of slash & very short cleared & b.g.

5-4 L	5-4 R
50	35
10	10
18	12
5	
7	
40	10
5	5
5	3
	35

% Forest 23 JAN 92 Cloudy 70°

Sandbank	21.5	10L	9/12	0.92
Tube Bank	21.5	12L		
Cap Bank	21.5	9L	9/12	
Hummock	21.6	7R		
Depression	21.2	12L		
WBW water	20.5	10L		
Check range of Max temps				
Sapin Cap Bank	20.2	11L	9/22	
Bi Shelter	20.1	18L	9/26	
Lagoon Bank	20	20L		
Cap Bank	20.2	20L		
Tickle	19.6	8L	9/13	
Robin	19.7	8L	9/13	
Island Bank	19.9	16R	9/17	
" " "	Bug			
Big Mangrove	19.8	20L	9/14	
Bigend Bank	19.3	18L	9/14	
Tarwood	19.7	14L		

Listen to white sp. Tour

RC Woodbank		18.3	12L	9/16	
WT Spodel	CCH	16.8	12L	9/14	
Lemon Lorenlet	E.A.		17R		
LRT Ant Tow	h	16.6	19R	1/13	
Noorbed	h	16.2	10L		
RT Ant Tow	h	"	15L		
Or. Bil Sp	h	15.8	7L		
WBurlum	h	16.1	20L		
WBurroops	h	15.9	16L		
WBurlum	h	15.5	11L	9/10	
RC Mon ?	s	14.5	6L	9/11	
Kurrajong	h	14.2	9L	3/10	
Lemon Gouth	h	14.5	6R		
CSWA h.s		13.9	18L	10/9	
2 LT Ant Tow		13.6	20L	1/11	
RT Norman	h	13.5	11R		
RT Mon	h	13.5	16R		
Cuttlant	s	13.5	1L		
2 Spiderwoon	h	13.4	25R		
Sunset Warrpers	s	11.7	14R		
Thunderer	s				
Bar	s				
WR	s				
Lemon Gouth	s				
LRT Ant Tow	s				
RC Mon Vek	s				
Wojus Mon	s				
3 Stye					

Listen to stopes — like a wicket

Victoria Tower	11.7	20R	9/14	
RT Ant Tow	11.7	19R		
~~GTR Woodpecker~~	11.5	10L		
Gr Sweet s	11.4	3R		
Bankhead h	11.4	12L		
Gum in mud	11.4	6R	13/6	
Gr Vine h	9.1	8R	7/6	
RT Ant Tow h	9.3	19L		
Gum Nunnes s	8.5	5R	8/13	
2 Sunset Ly h	8.1	24R	10/19	
L Limit h	7.9	0		
3 Gr Ant h	7.6	17R		
TRSC h	7.8	2L		
TRSC h	6.1	6L	9/15	
Cedland h	6.2	15L		
Tyler Wonesh	5.5	20R	19/10	
Bankhead h	3.5	11L		
WT Gordonia	3.2	20L		
Cuttlant s	3.9	11L	1/15	
2 Lemon Gouth	3.1	13L	15/12	
Gum h	3.1	12R		
Cedland h	3.1	14R		
Mulgul h	2.6	19L		
GTR Ant h	2.7	5L	14/3	
Bankhead h	1.5	10R		
Bankhead h	1.5	10L		
Gordonia h	0.9	6L	15/12	
TRSC h	0.7	9L		
Nibbens s	0.5	4R	11/20	
Sweet s	"	"		
2 Gordonia h	0.5	19R		
Gum h	0.5	12R		
[illegible]	10	[illegible]		
[illegible]	4	[illegible]		
[illegible]	[illegible]	[illegible]		
[illegible]	5	[illegible]		
[illegible]	6	[illegible]		
[illegible]	5	[illegible]		
[illegible]	5	[illegible]		
[illegible]	5	[illegible]		

TABLE 3

Wood Thrush		2
Hooded		2
CSWA		4
BCTL		2
Cabin		5
Magn W		1
RaMc		1
LESP		1
Pewee		1
W. Warbler		1
		20

11 left

3x12	HHT III	Hygrocopiana	6	3/6
2x6	II	Cypsen	10	5/5
2x9	HT			
2x9				
2x11		Cyclopen	40	
2x55	I	Hygrocopiana		
3x11	I		6	9/10
3x11	I	Cyclopen	40	
3x15	I	Lepto	10	6/6
3x20	I	Spelen	6	4/
4x21				
5x71				
4x15	I			

Fringe hit profile 2° Forest

550	R	1, 9, 10
		1, 5, 6, 9, 11, 13
	R	-, 11, 12, 14
		-, 1, 5, 7, 8, 11, 14
	R	0.5, 6
500		0.5, 2, 9
	R	1, 2, 4, 10, 18
		0.5, 14
	R	+, 13
		1, 5, 8, 27
450	R	-, 3, 7, 8, 14
		-, 2
	R	-, 2, 5, 11-17
		-, 14
	R	1, 10, 11
400		0.5, 1, 3, 11, 12, 15
	R	1, 2, 4, 9, 10, 11
		1, 2, 10, 12
	R	1, 9, 14
		1, 2, 3, 6, 9, 10, 14
350	R	1, 3, 4, 10, 12
		1, 4, 10
	R	1, 2, 7, 8
		+, 9
	R	1, 8, 13
300		0.5, 1
	R	0.5, 12
		0.5, 2, 5, 6
	R	0.5, 2, 3
		1, 2, 5, 9, 13
250	R	1, 3, 4
		0.5, 14
	R	1, 2, 9
		1, 9, 16
	R	0.5, 12

200		+, 3
	R	-, 2, 13
		0.5, 3, 4, 11, 17
	R	0.5, 7, 13
		0.5, 6
150	R	0.5, 2
		0.5, 3
	R	-, 3, 7, 10, 20
		-, 10, 11, 22
	R	0.5, 2, 10
100		0.5, 6
	R	0.5, 4
		1, 7, 9
	R	-, 7, 9
		1, 2, 4, 8
50	R	0.5, 11
		1, 2, 15
	R	1, 3
		-, 2, 3, 10
	R	+
0		+

560		-, 2, 4, 5, 14
		-, 6, 9, 11
		1, 5, 8
		+, 10, 12
6		1, 7, 12
		1, 2, 7, 8, 13
		0.5, 9, 12
		+, 6, 8, 9
		0.5, 1, 13
65		+, 8, 11
		+, 4, 9, 21
		1, 4, 7, 10, 15
		+, 4, 6, 20
		+, 3, 5, 8
70		1, 3
		+, 2, 7, 10, 14
		0.5, 5, 10, 11
		+, 3, 10, 12
750		+, 5, 10

Poly Sunny → Sunny

65.5 - 94.0
cool → warm

6 DEC PORTRAID 23 JAN

CUT	h		19.5	7L	
BBG	s		19.4	1R	1/1
CUT	h		"	4R	0/1
Ind Bench	h		19.9	8R	
LD Bench	↗		19.2	7R	2/2
Rodd inv	↗		19.1	5R	1/1
Carb	s		19.7	2R	
Cc Rm-Pt Tam	↗		19.4	7R	
Thibs Fish	↗s		19.4	7R	1/1.5
CUT	h		18.6	4L	
Carb	h		19.7	6R	
Carb	h		18.8	10R	
"	s, h		18.6	14L	0.5/1
2 YBC	L		18.2	10L	
Carb	h		17.9	10L	
2 BIS	h		16.3	10L	1.5/1.5
CUT	h		16.5	2R	
CUT	h		15.8	9R	
Sorb	s		15.1	5L	
Carb	h		15.3	6L	
Overb	h		15.6	12L	
[illegible]				10	
[illegible]			15.5	0.5/10	Schiz
[illegible]				8	
[illegible]			0.5/10	8	
[illegible]			15.5	12R	
[illegible]					10/20

Anorexia 40

[illegible]			15.5	6R	1/2
[illegible]			15.5	12L	
[illegible]			15.1	4L	3/4
[illegible]			13.8	7R	1/4
[illegible]			13	20R	
[illegible]			11	13	
CUT	h		11	2L	
[illegible]			11.3	19L	
[illegible]			11	[illegible]	
[illegible]			11	7L	
[illegible]			9	8R	
[illegible]			8.5	6R	0/3
[illegible]			9.1	11R	
[illegible]			8.1	2R	1/2
[illegible]			8.2	7R	
[illegible]	s		7.4	6L	
Carbohyd	h		6.6	8R	
[illegible]	s		5.2	5R	
Carbohyd	s		5.9	12R	0.5/2
[illegible]			4.5	17R	
[illegible]			3.8	3L	
[illegible]			3.9	14L	3/11
[illegible]	s		0.2	16R	1/2

CUT	6
Int Bunt	1
Wwlb	3
Pickl	2
Carb	10
YBC	4
Overb	1
Brow	1
Bow	1
Yell Ink	1
YBC	1
[illegible]	5
Mayo	1
	39

-, 2, 8, 15
1, 4, 11
+, 5, 7, 12
−, 1, 4, 9
80 +, 4, 5, 9
−, 4, 8, 12
−, 2, 5, 8
1, 4, 7
+, 1
85 −, 2, 4, 15
1, 4 −6
1, 5
+, 2, 8, 13
0.5, 2, 7-10
90 −, 5-7

-, 7, 8, 11

-, 5, 17

-, 8, 12

0.5, 13

95 0.5, 9

0.5, 7, 12

+, 7, 8, 12

-, 7, 9

0.5, 2, 7-9

100 1, 8, 9

-, 8, 12, 13

1, 3, 11, 12

1, 14, 15

+, 8-12

105 +, 7, 12, 13 115

+, 8, 10-13

+, 5, 8

1, 3, 5, 6, 9

-, 2, 6-8

110 -, 3, 7-13 ~~120~~

VINES				GAPS	%
22-21R	4-	9-8R	1-	22-21R	10
L	4-		1-	L	40
21-20R	2-	8-7R	1-	20-19L	5
	3-		1-	19-18L	5
20-19R	1-	7-6R	-	18-17R	15
	2-		-	17-16L	25+10 2gap
19-18R	1⊖,+	6-5R	-	17-16R	10
	-		-	15-14R	10
18-17R	2⊕,-	5-4R	-	~~15-14~~ R	~~15~~ 20+25
	3+,⊖		1-	11-10R	15+35
17-16R	2-	4-3R	-	10-9R	50
	3⊕,-		1-	10-9L	5
16-15R	1-	3-2R	-	9-8R	10+5
	-		-	9-8L	5
15-14R	-	2-1R	-	8-7R	25
	1-		1-	8-7L	10+15
14-13R	-	1-0R	-	7-6R	5
	-	L	-	L	15+5
13-12R	-	GAPS		6-5R	-
	-	2-1L	15+10+10	L	10
12-11R	2-	R	15	5-4R	30
	2-	1-0L	40 50	L	40
11-10R	1-	1-0R	60	4-3R	5+5
	3-			L	35
10-9R	1-			3-2R	30
	1-			L	-

Rely Clarity →

Listen in Pine - see if has trill of Tone 9 Tone 695 - 1010

RIVERSIDE FOREST 21 JAN

Lum Hill Sweet h	19.9	8L	
Lum Quick h	19.1	7L	
Lum Sweet h	19.9	6R	
Lum Sweet h	19.8	9R	9/15
Sulphur Hill	19.7	6L	3/17
Lum Wash E	19.7	20L	
Lum Auckland h	19.2	5R	Lift Hump
BC Shake Canyon h	19.3	20R	
Black Hill h	18.8	17L	
BC Green h	18.9	3R	16/16
Lower Gunth h	18.9	15R	13/18
Orange Ball Sp h	18.5	19L	
Kaufe h	18.5	12L	
Pine h	17.2	7L	9/19
RP Manner h	17.1	8L	
Wayne h	16.7	16R	3/15
Kaufe h	17.5	19L	
Bergquist h	16.8	0 0	15/15
2 BC Bell Spec h	16.8	7R	7/15
2 BC Wallace h	16.8	10L	
2 BC Auf Tanager	16.6	17L	3/18
Tanny Grand Slam	16.4	13L	4/20
Lower Gunther	"	10L	4/20
YBBL h	16.5	16R	5/17
Wind Hook h	16.2	10R	
Jacques h	16.5	15L	
2 BC Wilson h	16.3	9L	1/13
Right Hand h	16.5	8L	7/13
Kaufe h	15.9	9	8/12
Lower Gunth h	15.5	18R	9/20
LB Gunther h	15.9	10L	
BC Wallace h	15.2	8L	
Green h	15.1	17L	
Wood Wallace	15.0	16L	
The Mountain h	14.7	3R	5/12
Sour Cap Thc h	14.2	6R	5/12
Salmon	14.1		
Kaufe h	14.2	10L	
Bunco Alert h	14.0	18L	

C

C. Hewitt		13.7	1L		
Red-breasted Nuth.	h	12.9	1R	12/	22
C. B. Flycatcher	h	12.3	5R	3/20	
Tree Swallow		12.1	12R	2/20	
Magpie	h	11.3	10L	3/15	
Red-should.	s	12.1	3L	2/22	
Wood Thrush	h	11.3	10R	0/gap	
Magpie	h	10.5	9L		
Dark Eyed J.	h	10.7	10L		
2. Spotted Towhee	h	10.1	8L		
Green St Vireo	s	23			
Painted Redst.	h	9.7	14L		
YT Vireo	h	10.2	20L		/25
Lesser Goldf.	h				
Downy Woodpecker	h				
B. Th. Sh Tan	h	12			
YBFL	h	8			
W.B. Emerald	s	9.8	4L	2/5	
Rufous Hmbd		9.7	1L		
W. Robin	h	9.1	10L		
32 Chestnut Crap	h	9.1	5L	23/16	
L.T. Hermit	h	9.3	4L		
W.B. Warb	h	9.3	13L		
Spot Cap Fly	h	8.8	12L		
3 Anna	s	8.7	11L	8/27	
Wood Thrush	h	8.7	17L		
W.B. Warb	h	8.6	17R		

Gc Tanager		9.7	18R		
GC Warbler		8.4	10L		
Lesser Gold.		8.3	20R		
Gc Tanager					
2 Warbling Vireo	h	8.5	16R		
2 Red-b. Nuth	h	8.6	12R		
L. Hermit	s	7.8	3L	8/2	
Kingfisher		7.5	2L		
Nuttall's W.		7.5	10R		
Bewick's		6.7	11R	2/10	
2 B.T. Gnatch	h	6.4	13R		
2 Ant Tanager		6.2	10R		
Gc Tanager		5.7	12L		
B.T. Gnatcher		5.2	15R		
Kingfisher		3.9	5L		
GC Warbler		3.3	10R		
W. Thrush		3.5	11L		
W. Bunting	h	3.4	7L		
YBFL	h	0.9	20R		
2 Red-b. Nuth		0.9	15L		
2 Ant Tanager		1	10L	7/18	
GC Warbler		0.9	19R		
B.T. Sh Tan	h	0.8	18R		
B.T. Gnatcher	h		20R		
2 Bewick's		1.3	10L	1/21	

BUGS 1 Right

4x2	11		Hornet	4	[illegible]
5x6	11		Spider	6	[illegible]
6x20	11		Coleop	5	red/gr
1x3	1		3 Hornet	5	[illegible]
5x9	1		[illegible]	[illegible]	[illegible]
3x9	11		Snail	11	[illegible]
4x10	11		[illegible]	[illegible]	[illegible]
3x15	11		[illegible]	4	[illegible]
4x10	11		[illegible]	[illegible]	[illegible]
2x8	1		Spider	4	[illegible]
3x5	11		[illegible]	4	[illegible]
3x12	11		[illegible]	6	[illegible]
6x11	1		[illegible]	12	[illegible]
4x5	1		[illegible]	[illegible]	[illegible]
9x25	1		[illegible]	6	[illegible]

Spider 6 [illegible] Spider 3 [illegible]

Simply Brown & Gray

call a restrant low rapid
chur-chur-chur chur-chur
call make a higher single squeak
sometimes introduces form call

Feed Week	6
Workweek	6
Nesting	3
Egg	3
Hatch	1
Young	
Fledg	
	21

Check card Dicky-Throat, where
NOT IN

MERRY CHRISTMAS

UB Emerald	h	3.0	7L		8/31
2 BC Hardhill	h	4.6	12R		
UB Bussenger	h	4.7	15R		
2 UB Mewbourn		4.8	13L		GRP
YRBL		5.7	18R		
Rio Fidelicas		5.8	15R		2/28
7 Rio'a	h	6.4	12R		
Lt Chemist	s	6.8	4R		
UB Wompa	h	7.2	12R		
BT Pa Ghost	h	7.3	1L		9/27
2 UB Bustoren	h	9.1	5R		
BC Rottenberger	h	9.2	4L		
Cat Warbler	h	9.1	5R		4/[illegible]
Silver & Spych		9.1	8L		
Nicolas	s	9.6	13R		9/26
CB Spanish	h	10.3	20R		
Noel Hotchkins	s	10.2	13R		[illegible]
Mary	h	9.9	20R		
Sequoia Pk	h	10.0	0R		
KC Hot Tamale	h	10.4	18L		
2 Macaroni		11.2	15R		30/[illegible]
2 Dot Wing Fighter		11.3	2R		
1 B Bandolero	h	11.4	20L		
2 UB Wren	h	11.5	11L		
5 BC Salvation	h	11.1	20R		
12 BT Hot Tamale	h	11.6	18L		
BT Sh Tamale	h	"	11L		

8 BB Greyhawk		11.5	16L		
Bijou Normal		11.5	2L	16/22	
Lean Linda	h	11.5	15L		
Turned Vamper	h	12.3	8L		
2 BC Wadleigh	h	12.3	L		14/23
Sequoia	h	12.3	20R		
UB Wompus	s	12.9	13R		4/23
Sirius	h	12.1	0.0		2/23
Lerno Lanto	h	"	10R		"
[illegible]	h	13.5	15L		10/30
2 [illegible]	h	13.3	9L		
[illegible]	h	13.6	2R		
Broadhead	h	13.3	20L		
Silk Hill	h	13.4	3L		
[illegible]	h	13.2	2L		
[illegible]	s	13.6	8L		3/30
50 [illegible]	s	"	"		"
[illegible]	s	13.5	4L		3/30
Mr Sl [illegible]		14.9	13L		
4 [illegible]	h	15.2	7R		7/27
2 [illegible]	h	15.3	10L		
Eyes Flashing	s	15.5	13L		7/30
[illegible]	h	16.5	11L		
[illegible]	h	17.5	20L		
[illegible]		17.8	20L		
[illegible]	h	18.2	17L		
[illegible]		19.6	7L		7/21

[illegible]

C

4x25	1	Small	3	bs	9
4x15	1	Wrap	3	gs	Lb
1x4	1	Worm	6	bs	Lb
4x10		Spoon	10	wh	
5x35	II	Small	3	bs	
5x20	1	Orchard	8	100/pr	Lt
4x30	II	Spider	7	gs	Lb
		Spoon	2	yl	Lb
		"	8	bl	ors
		Kahle mm	4	gs	Lb
		Rapala	3	yl	Lb
	10 R				
6x17	1	Spoon	3	bs	ors
5x27	1	Millcreek	11	bs	Lt
3x8	III	" Dare	9	"	Lt
5x22	II	Kautzky	5	gs	Lb
4x25	III	Spider	2	bs	Lb
3x20	II	"	5	bs	Lb
3x6	1	Rapt	3	ol	Lb
4x8	II	Orvlap	15	gs	Lb
4x2	1	Spider	3	bs	Lt
4x6	1	Hemopt	1	red	Lb
2x12	1	"	3	gs	Lb
5x19	1	Spider	4	bs	Lb
4x20	1	Dare	9	"	Lb
5x30	1				
2x7	1				
6x5	1	3x101			

Recovery Clock and Fast Up
Clearing "

	Turner S.	2.5	1R		8/13
	Duck Cap Phys	2.5	13R		8/12
4	VT Explorer h	2.5	13L		16/25
	CSNA h	3.1	4L		15/16
	West Chuck h	3.1	9L		9/21
	RP Ant Thresh h	3.2	5L		
	WC Cardinal S	3.7	5R		
	Kent Ind 2d	4.2	14R		19/3
	Turner S	4.4	16R		20/22
	US Elec h	4.4	17L		
	Lang Gulch h	4.4	14R		
	USA h	4.5	7L		3/12
Gave	Dixie Harbor	4.5	3R		1-5/2
2	Sp Brother	4.6	6R		Gave
	Pruyn h	4.8	11R		
	WC Edward 7	5.1	1R		2/3
2	Dorchester Anthony	5.3	15R		
	Wilson h	5.9	5L		
2	Sp Brother h	5.8	7L		
	Stone Ht Tail h	6.2	1L		
	LT Bennet S	6.2	0.0		
	Mel Bloom h	6.5	10L		
2	Dorch Anthony	6.6	1L		1/2
	US Quartz S	6.7	20L		11/11
	LT Bennet h	6.5	5R		
	L. Bennet Lek h	6.9	6R		
	LT Bennet S	7.2	1L		

	Wagner	6.0	6R		
	Wilson S	7.2	8L		8/9
	Stone S	7.7	5L		9/6
	Wilson Gulch	7.6	4R		2/4
3	BW Salmon	8.3	10L		9/10
2	Dorchester Brown	8.3	10L		
2	Lake Superior	8.3	10L		15/16 3R
	Wagner h	8.3	1R		
3	Sp Brown h	8.2	1L		
4	Dorchester Anthony	8.3	3L		
	Wilson h	8.2	8L		
	VT Brown h	8.6	6L		4/1 Gave
	LT Bennet S	8.1	1L		
	CSNA h	8.9	5R		Gave
	Pruyn h	8.2	9L		1/4
	Mustard Thyes S	9.2	12L		
	Brown Fishing				
	Wilson h	9.2	7L		
	Wagner h	9.6	20L		
	BS Salmon S	9	7L		
	Cardinal S	10.7	11L		24/23
	VT Explorer	11.6	15L		23/25
	Brown h	11.5	7L		
	Blue Lake Gulph h	11.9	8L		
	Stone S	11.9	2L		19/25
	Strong Point				
	Stone Gulch				
	LT Bennet S	11.9	0.0		
	Wilson Ot h	12.5	8L		4/5
	WSBC h	13.4	9L		
	USA Tech Point S	13.5	6R		1/15
	US Dell Pryors S	13.7	3R		
	Wilson h	13.8	3.5L		
	Wagner h	13.5	1R		
	BS Lake h	14.2	6L		
	BS Lake S	14.2	7R		1/10
	Wilson S	14.2	8R		
	Wilson S	15.1	5R		
2	Blue Lake h	19	1R		8/16
		15.8	6L		

C

3 KB Toucan S	15.4	9R	4/9
LT Hermit C	15.5	2L	
RT Ramming S	16.1	5R	
VT Arnold's h	16.1	20R	
Wood Thrush h	16.3	5L	
3 RH Calt	16.3	11L	5/12
Se Rum Tan	16.5	2R	6
White Wand	16.7	9L	6
[illegible] Plyc	16.4	4R	7
Kiddy Wampus	16.2	8R	6 11
Bow Walk	16.5	4R	7
YB Cacique S	16.4	3L	
Banded [illegible]	16.9	2R	7/11
2 RT Salvation	16.4	15L	
Violaceous T.c	16.1	16R	
Sl Hd Tody Flych h	16.3	7L	
BB Gnsbk	16.6	3L	
LT Hermit h	17.1	4L	2/4/
Ul Lane h	17.5	3R	
2 Dsk Ant Wren S	17.7	2R	
2 Sl Hd Tody Flyc	17.7	2L	2/9
2 So Amp Tant h	17.9	10L	
Redstart h	18.3	7R	8/11
2 Dusky Antb h	17.3	1R	1/11
Wrenp h	18.2	14R	
YB Cacique	18.6	2L	2/9
Wood S	19.1	9L	6 8/10

LT Hermit S h	18.6	1R	
4/ Dot Wg Ant Wren	19.1	3R	
Sl Hd Flyc h	19.2	2L	
Cinnamon Becard S	19.5	19L	5/8
YBSL S	"	19L	
2 Banded [illegible] h	19.8	5R	
Redstart [illegible] S	19.9	15R	3/7
CB [illegible] S	19.9	16R	

5 × 3 |||| Spider 3
6 × 2 |||| 1R Canopy 4
5 × 4 ||| Large Leaves 5
6 × 9 || Spider 3
6 × 12 ||| Colubrine 4
6 × 12 | 3
5 × 8 | 3
6 × 10 ||| 2
6 × [illegible] || 2

BM

Spider 6 5 11
Colubrine 5
Colubrine 3
Colubrine 4

Early AM Rog
650
950
Cb Sunny
Sugar tonight

ARB FAST EGGS			Y-2B 92		
Grapefruit		19.7	13L		9/10
Banana Walnut		19.7	1R		
Cabbage		19.6	7R		1/5
Cabbage		18.9	7L		
Cotton Jeans		19.3	16L		
Mixed Stripes		18.8	17L		6/20
2 Rosy G. Pears		19.1	3L		1/20
2 Pink Lined Sheets		19.5	14L		20/20
Cow in Pine		19.8	18L		
Fuzzy Worm		19.6	10R		
2 Red Orange Mule		17.1	8R		18/19
Cabbage		18.3	16L		
Dirty Cap Thy		17.5	20R		
Clay Pine Robin		17.6	20R		
Wet Emerald		11.9	8L		5/6
Cabbage Lines		14.4	2L		
Red Brown		15.2	13L		
Yellow Star Sides		17.5	6L		5/7
Wet Woods Wash		14.4	1L		
Red Sail Red		14.2	5R		1/5
Cabbage		12.8	6R		3/7
Aqua		13.7	5L		1/6
Blue		13.4	5R		
Cabbage		13.3	10L		1/4
Yellow		12.4	7L		
Star		13.2	19L		0/10

Sweet Green		12.0	1R		
Weeds		12.1	4R		6/14
Cattle		12.5	4L		7/15
Cattle		12.5	9L		
2 Red Bunns		12.5	9R		7/8
Cattle		0.2	18R		
2 Star Lines		0.5	15R		
Bird		0.4	12L		
Cat		1.2	3L		
Cabbage		1.2	7R		7/8
Cattle		1.1	10L		
Star		0.8	9R		
Green Pine		1.3	18R		1/12
Yellow Pine		1.2	18R		2/13
Cabbage		1.3	18R		1/3
Yellow Weeds		1.2	20R		
Yellow Pine		1.7	18R		1/3
Cabbage		1.3	9R		1/2
Yellow Pine		1.1	10R		
Yellow		1.1	9R		2/2
Yellow Cabbage		3.6	9R		5/7
Yellow Cabbage		3.2	9R		1/5
Yellow		3.1	5R		
Cabbage		3	20R		
Yellow		4.2	3R		
Cabbage		4.5	10R		
Cattle		4.1	7		1/6
Yellow		5.3	14R		
Cattle		6.3	18L		8/8
Yellow		6.1	3L		
Cattle		5.1	20L		
Bunny		5.1	5R		2/3
Cat		5.3	9R		
2 Red Tomato		8.3	6R		
Cabbage		7.1	18L		0/7
Yellow Red Pumpkin		8.1	18L		
Yellow		8.3	13L		
Yellow		8.3	2L		
Cabbage		8.1	10L		

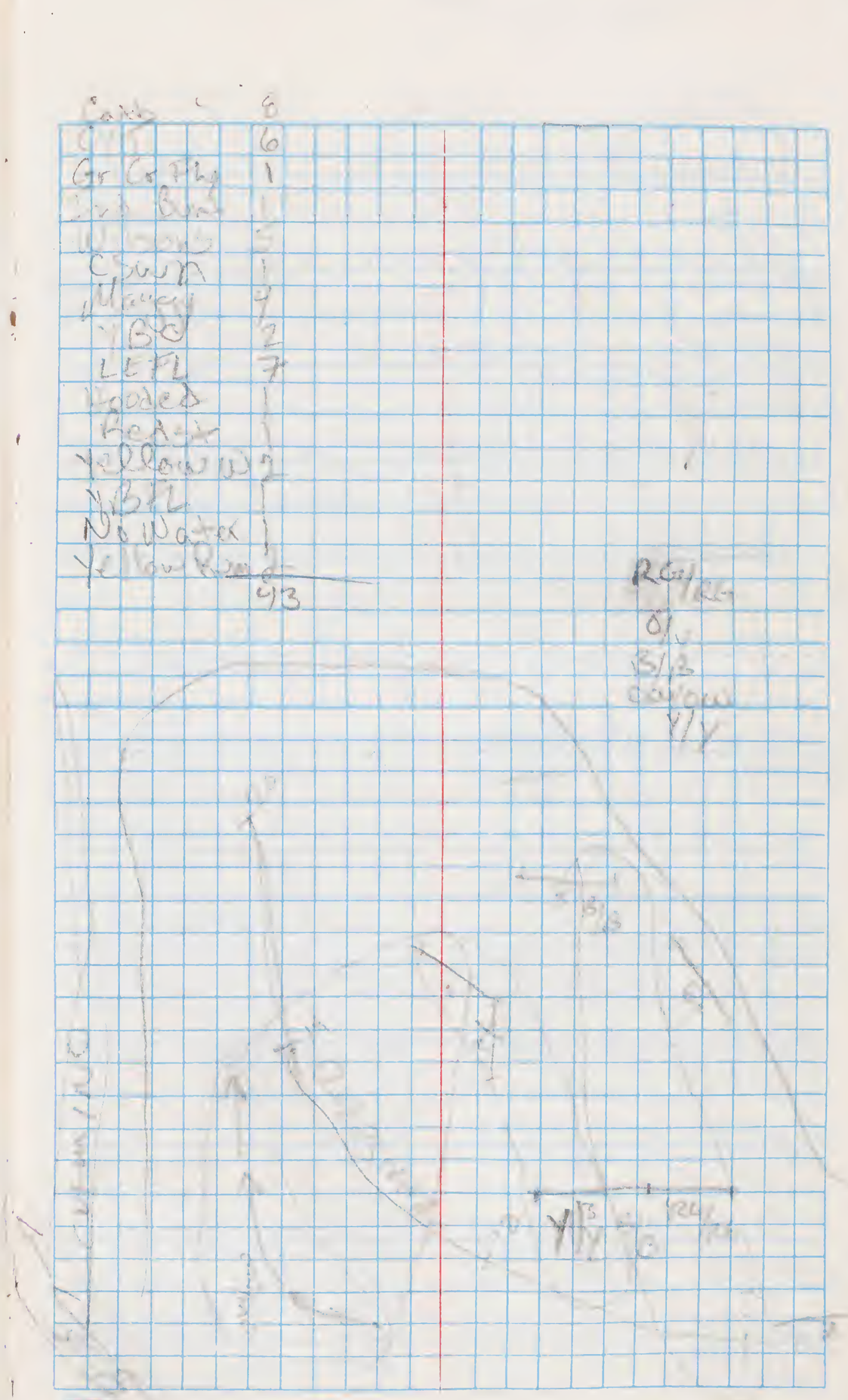
C

Cutch		8.7		13R	
No Water Hatch			9.1	10L	
Cut Sh			9.6	4R	
Grasshopper			9.2	12R	14/20
2 WCS			10.9	10L	
Southern Nymph			10.7	17R	
Mayfly Pod			10.9	6L	3/5
8 WCD			11.5	2L	
2 BBG					
Cutch			11.6	4R	
Th Sh Sculpin			11.7	5L	
Cutch			11.6	8L	
Cutch			11.8	6L	
2 Sorrel Fly					
Yellow Wulff					
YB Grasshopper			11.9	2L	17/23
Black Fly					
2 Yellow Bumpwell					
Crab Lice & Scud					

2 Lev 2x6	|||||||	Hornpt	1	ab/gs	LL
1x6 ||||	"	5	ab/pup	Stem
6x22 1	7m	Spider	3	blk	ab
5x25 1		Colert	2	blk	bd
5x20 1		Spider	2	br	LL
3x8 1					
4x6 1					

Cutch	6
Gr Cr Fly	1
Cut Bug	1
Wooly	5
Crown	1
Mayfly	1
YBG	2
LEFL	7
Hooked	1
Beach	1
Yellow Wulff	2
YBFL	1
No Water	1
Yellow Bumpwell	1
	43

Reg
Reg
Ol
13/13
Crown
Y/Y



705-1005

[illegible]		20.9	16L		
[illegible]		19.[illegible]	20L		
[illegible]		19.7	7L		
[illegible]		19.5	20L		
[illegible]		19.7	8L		
[illegible]					
[illegible]		18.5	10L		
[illegible]		18.8	20L		
[illegible]		18.5	20L		
[illegible]		18.7	20L		
[illegible]		17.8	20L		
[illegible]		17.9	15R		4/20
[illegible]		17.9	[illegible]		[illegible]
[illegible]		18.2	9L		13/25
[illegible]		18.00			
[illegible]		17.8	13R		
[illegible]		17.1	2L		9/10
[illegible]		16.8	18L		
[illegible]		16.7	17R		
[illegible]		17.3	17R		
[illegible]		16.[illegible]			
[illegible]		16.9	6L		[illegible]
[illegible]		16.5	2L		
[illegible]		16.4	8L		11/7
[illegible]		16.6	1L		9/13
[illegible]		16.3	18R		9/10

[illegible]

[illegible]

[illegible]		15.9	20L		
[illegible]		15.2	10L		[illegible]
[illegible]		14.3	2L		
[illegible]		14.5	11L		[illegible]
[illegible]		14.5	18L		14/26
[illegible]		13.9	12L		
[illegible]		14.1	18L		3/24
[illegible]		13.5	22R		6/21
[illegible]		13.3	7L		
[illegible]		13.5	15L		
[illegible]		13.5	6L		9/14
[illegible]		13.1	10R		
[illegible]		12.8	20R		
[illegible]		12.5	1L		[illegible]
[illegible]		12.5	10L		
[illegible]		12.4	8L		19/26
[illegible]		12.6	11R		23/24
[illegible]		12.7	6L		[illegible]
[illegible]		12.2	19R		[illegible]
[illegible]		12.2	8L		[illegible]
[illegible]		11.9	18R		5/[illegible]
[illegible]		11.9	[illegible]		14/25
[illegible]		11.8	10R		
[illegible]		11.9	6R		[illegible]
[illegible]		11.1	6L		
[illegible]		11.8	11L		
[illegible]		11.8	15R		
[illegible]		11.8	11R		1/21
[illegible]		10.8	11R		
[illegible]		10.5	2R		
[illegible]		10.5	3R		4/12
[illegible]		10.4	14R		
[illegible]		10.3	16R		
[illegible]		10.1	[illegible]		
[illegible]		9.8	2R		[illegible]
[illegible]		9.9	[illegible]		
[illegible]		9.6	[illegible]		
[illegible]		9.3	[illegible]		

C

Pa 4 — 0 Chippell

2 Magic Fighting Effectiveness

WB Emerald

Pedal L		7.5	8L		28/
Wall L		7.5	10R		21
Pedal Cap Flip		7.1	8R		
Pedal Flip		6.7	8L		20/26
Blk Clb Upper		6.2	10R		
Pedal L		6.1	7L		21/25
2 Wd Flip L		5.4	13R		12/22
Wall L		5.3	9R		4/5 Cross
Pedal L		3.9	21		19/22
Wall L		3.9	20R		
Flip L		3.3	14R		
Clb Flip		2.5	16L		
Wall L		2.6	12L		
Flip L		2.7	16L		
Slow Flip		2.3	7R		
Pedal Blind L		1.8	5L		
Crash L		2.1	16L		8/25
Sm Wd Caps		"	"		"
Small Cap Flip L		1.9	2L		
Pedal L		1.8	9L		05/3
Flip L		1.6	8R		
Loaded S		1.8	14R		1/2
Bottom S		"	"		"
Slow Crash L		1.8	2L		9/12
Low Wd Crash L		1.2	5R		
Wall L		1.3	2L		10/23

W. Crash 1.2 9L

2 Cap Flip		9.3	10R		
			Slow	Cost	
WUPA	6 FBS		7 10	4 10	Wall
Cath		19.5	5L		
Catch		19.9	10R	Double	
Flip		19.8	20L		4 10
Cover Trap Flip		19.5	9L		
Small Wall		19.9	19L	4/	
Wall Cap Flip		19.4	7L	1/3	Dead
Wall Wd L		19.3	8L	5/	
BSG		18.9	9R		
Wall Flip		18.4	7R	1/2	Cross
Wd Wall L		18.9	1L		
Cut		17.9	1		
Flip L		17.9	13L	1/3	
Wall L		17.9	8L		
Schwinn		17.9	7R		
Wall Wd		17.5	18R		
2 Sm Wd		17.1	20L		
Wall Wd		17.1	20R		
Hand Wall L		16.6	18R		
BSG		16.5	3L		
2 Wd Cap Flip		16.2	3L		
Wd S		15.8	7L		
Big Wd		14.5	6L	1/2	Cross
Cut		14.7	7L		
Cut		14.5	10L		
BSG		14.1	1L		
Wall Wd		15.5	15L		
3 Wd Cap Flip		14.4	20L	Cost	0/7
Cut L		13.9	5L		
Flip Wd L		13.4	3L		
Cut		13.1	16R		
Wall L		12.5	16L		
Cut		12.0	5L		
Flip Wall		11.7	9L		
Cut L		11.6	12R		

C

PB vs Pirates walking except 9.2 5R
2 Williams Brown Pounds Pound 2

OPT h		12.1	7R	
Wilson w Lth		12.7	13R	2/5
ZUPS s		11.8	5L	3/2
GBA ss		11.8	4L	3/2
" "		12.1	4R	
YB Cacciaire		11.7	5L	3/2
ZUPD s		11.2	20R	
SBG s		11.1	20R	
Bullpen s Lth		11.4	6R	
OPT h		10.1	6R	
OPT h Rd		9.9	10L	
ZUCS s		9.6	3R	
Mel Blackburn		9.6	10R	4/6
Wilson Rh		8.6	10L	
ZSandel Stych h		8.6	8L	
Mel Blackburn s		8.3	12L	4/4
ZYWT Anderson		5.8	20R	4/5
Sandel Pop		"	"	
OPT h		4.5	6R	
" h		"	19L	
BBG h		3.8	12L	
Wilson rs		2.8	7R	
Manzo h		4.3	15R	
Curtis s		1.9	8L	
Lefty Blackburn		1.8	8R	
Mel Blackburn s		1.9	20L	
Luc Pinder s		0.9	15R	6/6

SBBG 0.8 2L
Wilson 0.8 3L 1-7L
Yellow W 0.3 10L
L Grant 0.5 4R

OPT 13
BBG 1
YB 2
Williams 2
Mel 1
Wilson 4
Manzo 1
2R

Coming Coaching
Orioles Nowell
3 1
2nd 11
3rd 11 Minutes
1

23/23 Submitted Today Victor
Received by Adam

Q. You walking in a lineout test, has such risk in a drop stop in a column area & should all in out front out 4 or 5 for the communication up and other, to be low such cost is been found? If there exists by checks the collective needs to have a second to the basis of what gets communicated while in the line?

Why does the shape of one tree leave no lots of Dieters? Very stable already established? Need + Eve wants to defense purposes?

C

Cloudy, cool

Minimum Habitat - Co L.A. Potrero

EMP PLAYBACKS 7 FEB 650

P.T. M.N. P+2

M1 M2 M3

2

3 1:00 LAN

5 400

P+2 705

2

3 245

5 440

5+

5+

STOP

P+3 P.T. M.N. 720

2 M1 M2 M3

3 0:10 1:30

+5 +10

STOP

5 10 x 5

15 M

2.5 M

P+4 START 735 NADA

P+5 P.T. M.N. 755

2

FLOWER

5 125 245

15 x

5 10

STOP

5 215

5+

P76 PT FLAV 808

2

3

5 ~~IIII~~ ~~IIII~~ 345
III

P77 PT MIN 822

2

13 m

3 ~~III~~ 0:10
~~IIII~~ ~~IIII~~
~~IIII~~ ~~IIII~~ 5555
5555 5555

5 5555555
55555 4
St. moved
farther away
13 meters

P78 PT FLAV 835 NADA

P79 m m2 PT MIN F1 850

2

FL/ OVER
PUT

3 0:07
~~IIII~~ ~~IIII~~ 55
~~IIII~~ 55555

5 55555555
55555555
55555555
10 10 10 10 10 10 10
10 10 10 10 10 10 10
10 10 10 6 STOP
P2 10 PT FLAV 905
2 area ca. [illegible]

3 0:05
~~IIII~~ 55
50m
130

5 15 4:03 3:10 F2
71 290m
my legs legs

C

15 FEB

A D J E C B A

B_2

B

B/B

owlgrass

B shelly white
pronounced
vocaswhite

B_2 or B_3

throw response to tape

Point Counts Ed's Pokeweed
(Sunset Marshes)
Cloudy cool

P# 1 60% 635

P# 2 45% 650

Red-winged Blackbird
Brown Jay

P# 3 25% 710

Red

C

P 4 85 90 725

P 6 95 90 815

P 5 95 90 750

P 7 90 95

P 8 55 90 915

P 9 70 90

Overcast Warm

Pt 1

Lesser Greater Lot	1			L Crayton	1
Hooded Merganser	1			Aythya	1
VBPL (1) → 1		EVER		Ruddy Mouse	
Red Crossbill Ant Tern	11			O.B. Euphonia	1
R Hummingbird	III			Dickcissel	1
Redshouldered Hawk				RCA Tanager	11
Merlin Peregrine			(Bstp)	L. Hermit	1
Brown Creeper		1		Top Grosbeak	1
Tufted Greenfinch		1		YB Pipe	1
Wood Thrush Catbird				1 CSWN	1
No Oriole	III			B. Gnat	1
LT Hermit	1			B/G Gnatcatcher	1
RT Hummingbird		1		WB Emerald	1
Ruby Th. Hummingbird				L.T. Hummingbird	1

Pt 2 725

Dusky Alder (1)			Wilsons	1
VBPL (1) → 15			Blue Jay	(1)
Hooded	1		RCA Tan	(1)
RB Nuthatch	(1)		RT Hummingbird	1
WBrown	1		Aythya	(1)
Merlin Peregrine		(Bstp)	BT Antlion	1
RCA Tanager	(1)		Ruf Mouse	(1)
ST Tanager	(1)		LT Hermit	1
WT Sparrow	1		Golden Tanager	(1)
Lawsons	1		VB Vireo	(1)
Hermit Thrush	1	70	L Hooded	(1)

Proceed to Gatehouse

No Oriole (1)

Pt 3 745

VBPL (1) → 13m	(1)	Aythya	1
Merlin Peregrine	(Bstp)	Lesser Greater	1
Redstart	1	VB Vireo	(1)
Redstart	(1)	PB Wdpe	(1)
YB Pic	(1)	Dusky Cap Flyc	(1)
Queen's Bower	(1)	Eas. Hermit	1
Mourning	1	BNW	1
Wood Thrush	1	Gr Heron	1
		B Gnat	1

Pt 4 800

Mourning	1 (Bstp)	Muscovy	(1)
Merlin Peregrine	(Bstp)	Yellow Throat	(1)
VBPL (1) → 15	(1)	Redstart	(1)
Redstart	(1)	Brown Thr	(1)
VB Vireo	(1)	Pigeon	(1)
Queen's	(1)	Gadwall	1
Pigeon	(1)	Gadwall	1
PB Wdpe			

Pt 5 815

Redstart	(1) (1)	Lesser Gr Lt	(1)
Merlin Peregrine	(Bstp)	Red Shouldered	(1)
Redstart	(1)	LT Hermit	1
Cedar Waxwing	(1)	Bobolink	(1)
Redstart	(1)	Bl Cr Night	(1)
VBPL Eupatorium	(1)	Pheasant	(1)
VBPL Eupatorium	(1)	Ruddy Duck	1
WB Vireo	1	YB Cuckoo	(1)
Dickcissel	(1)		

Pt 6 915

Yellow Warbler	(1)	YB Pic	1
Lesser Gr Lt	(1)	Merlin Peregrine	1
Redstart	(1) → 15m	Cedar Waxwing	(1)
VBPL	(1) (1)	Chestnut Sided	(1)
Dickcissel	(1)	Chipping	(1)
Hooded	(1)	YB Vireo	(1)

BBPhe (1)		B-gnat 1			
BBdopyc (1)		BlGlt Whip			
		Jacana (1)			
P.7				950	
Green Elanus 1		CSWA 1			
Red Hawk (1)		BBL 1			
Vireo 1		BlCh Whip 1			
BB Phe 11		Brown Bat			
Violaceous Trogon		WBTouca (1)			
Dusky Cap Flyc (1)		RTNW 1			
Masked Tanager 1		Bluewinged 1			
Bronzed 1		Bobolink			
Orioleendula (1)		Cowbird 1			
P.8				925	
UBBL (1)		L Hermit 1			
Bobolink (1)		BlCh Whip (1)			
Wilson 1		SB Pigeon 1			
Orioleendula (1)		Red Bat (1)			
P.9				925	
CSWA 11		BCondor (1)			
SB Pigeon (1)		Brown Bat (1)			
UBBL 1 (1)		Gnat Hawk (1)			
RTNW 1		L Euphonia (1)			
Acadian 1		BBCowbird (1)			

Redstart 2 11											
Yellow 1											
Yellow Phe (1)											
Yellow Phe (1)											
Yellow Parulet											
Black-throat Green 1											
P.10							940				
Brown Thrasher (1)											
Phe (1)											
Yellow-throat Trogon 1											
Warb (1)											
Warb (1)											
Yellowthroat (1)											
T Hermit 1											
Cooper Hawk											
Hermit											
SECONDARY TOTALS											
Dusky Antbird sp	0.2	SL	2/4	6 45							
Cathard L	0.6	SR	9.15 Overcast								
Spot br. Wren h	0.2	8L									
Lesser Greenleth	0.9	1R	19/23								
Black Tyrch	0.3	17R									
W.B. Wren h	0.9	12R									
Red Tanager h	0.6	14R									
Grosbeak h	1.3	7R									
Red Thrush h	1.2	16L	1.3 17L	9/25							
Forested 2 s	1.3										
Red Hums	1.3	4R	Schedule								
Cathard L	1.2	14L									
		19R									
Hum h	1.2	10L	Lek								
Wren h	1.3	15R									
W.B. Schrch	1.7	4L	9/2								
W.B. L	2.3	17R									
Tanager h		16R									
Redstart		11R									
SR Tanager h	3.7	9R	1/5								
" " h	3.5	7R	9/15								
Lesser h	3.2	14L									

WBrown h		3.4	15L		
Sepia cap Phys		3.4	8R	4/15	
wBrown h		3.6	7L	0/19	
Sulphur cap Phys		4.2	4R	2/8	
2 Spore Brown h		4.3	18R	0/5	
1 BPL h		4.3	4L	2/16	
h		4.3	5R	2/14	
→ Dam lava					
Red tooth		4.4	11R	15/16	
Red cap Mush		4.6	3R		
Brown h		4.6	10R	0/16	
Sentfall	1	5.1	7L	1/5	
"	h	5.2	6R	1/9	
L. Hemat	s	5.7	0.0		
Hooded		4.6	16L		
Sp brown		4.0	20R		
1 BPL h		5.4	9L		
wBEmerald	h	5.3	3R		
Brown Ply	h	6.2	5R		
2 Chanterelle	s	7.7	2L	2/3	
Easy Relative Foot					
VBPL	h	7.6	16L		
Cap Ply	h	8.5	6L		
Dusky	h	7.9	19L		
2 Green Pegh		8.6	7L		
wBrown	s	8.7	1L		

Pr Mountain		9.7	8L	2/12	
VBPC	h	9.2	4L	10/19	
Cobalt	h	8.7	7L	1/10	
Cream	h	10.5	18L		
wWhite	h	4	8L		
Smoky — white Centers in 2 Feet					
is like also shrubs in 2 Foot Hood					
is also in Pr					
Pr brown	h	10.8	8L		
wBrown	h	10.6	16R		
2 Brown Gen		11	12L		
Brown Bracket		11.7	20R		
Brown Gill	h	11.8	20R		
Scaly	h				
Yellow Cap	h				
Brown Bracket					
Cream Bracket					
Brown Gen	s		14.1	19R	
Rubber Phys	s	5.4			
Brown Gen	h			14/18	
Pr Tan					
1 Brown Gen					
Cream Bracket					
Brown Gen	s		13.8	7L	
Hooded Gen	s		11.8	5L	2/2
Red Ply	s		4	8L	
Brown Cap	h		15.2	18R	
Sp Cobweb	h		"	20R	
2 Hooded Cobweb			"	17R	
Red V	h		15.6	17R	
Red V	h		16.2	8R	
Pr Tan	h				
Brown	h		12.3	8R	
Brown Gen			21.2	5L	
Brown Ball			4	3R	
Sm Ball			4	5R	
Tan Wood	Mush		4.3	18R	
wWhite			4.7	16R	
Pr White	Wood		4.5	8L	

C (46 2) Cream S Leaf Wood 8L

13 Right wet leaves

4x17	IIII		Overcast	5	15/16
8x29	II		Sparse	3	8/1
8x8	II		"	"	"
8x32	I	Sun	"	"	"
3x21	II		Overcast	10	8/1
1x4	III		Remnants	3	8/1
6x24	I				
3x8	II				
6x16	II				
2x7	II				
5x12	I				
4x12	I				
EDUARDO'S POTRERO			12 FEB		6/10
Scarlet Bumpertom 8s			6.1	17R	1/2 9/15
BBGh 1s			8.1	3L	7/1
Carlsh			1.8	20R	1/3
2 WCS s			2.5	7R	
CYT 8s			2.9	8R	1/1
BBGh			2.9	4L	
Carlsh			2.6	8R	1/3
Brown Ex Flys			4.3	6L	11/16
Dr Grado 8s			4.1	1L	11/16
Yellow Wedge h			4.9	4R	8/15
BBGh Thc			4.4	2R	7/6
- chased by BBGh Fly					
Wh Bell Eyeds s			4.5	5L	8/16
Autumn Storm s			4.9	4R	7/15

2 Charcoal Cahows 4.9 2R 8/16

2/13 Elaeno 4s	4.5	3R	11/1	
Carlsh	3.2	11R	8/15	
8 WCS s	4.3	6R		
UBTL s	7.7	7R		
Bandwhite s	7.2	12R		
Black Terns s	7.7	19R		
WCS s	7.5	1R		
2 Sand Bart	8.5	5R	Not seen	
Cahows	7.4		Ode	
Kittiwake	"	16R	no pings	
Charcoal Cahow	"			
1/2 Elaenas s	8 "	"	"	
UBTL s	8.7	1R		
2 Petrels	10.3	16L		
Wedge Sandbar h	9.5	1R		
Scarlet Ibis	9.8	6R	7/6	
Dickcissels s	9.3	6L		
Kittiwake s	9.8	7R	1/6	
BBPL h	10.5	2L	9/11	
Gerfalcon Elaenas	10.5	7R	8/16	
10 WCS s	10.6	13L		
1 Elaenas s	10.0	5L		
Wedge s	10.6	4L	2/4	
2 Wedge Terns s	10.6	5R		
WCS s	10.1	6L		
2 BBPL s	10.9	8R		
5 WCS s	11.8	10R		
WCS s	11.5	13L		
Yellow Vent s	11.1	20R	10/15	
WEPL s	11.1	7R	1/1	
Noddy wads s	11.1	16R	11/1	
UBTL h	12.2	15L		
4 Charcoal Cahow 3 Fly Bys	12.5	16R		
1 Noddy s	"			
Green Wedge Mangrove s	"			
Wedge Tern s	"			
Wedge Tern s	"			
10 Black Rumped s	15.2	1R		
UBTL h	14.2	5L		

C

Blk Bandcatcher		14.4	10L		
LBFL	h	15.5	18R		
SUTA		15.4	18L		
Sp [illegible]		15.4	5R		
Redstarted		[illegible]	9L		6/10
Bearded		15.6	3R		
Willow		15.6	19R		
Cath	h	15.8	10R		
OH	S	16.2	4R		
OH	h	17.4	9R		
LBFL	h	17.9	13L		
OH	h	18.4	8L		
OH	h	18.1	11L		
Willow		18.7	15R		1/2
WCS	h	18.9	7L		
Cath		19.8	8R		
WCS	h	19.3	8L		
LBFL	h	19.5	4R		

Cath	6	Redstart	2
OH	5	Magg	1
Yellow W	3	Marsh	1
Gr Gr Fly	1	Richard	4
LBFL	9	SUTA	2
Sol Bat	3		41
Lg Bird	1		
Willow	3		

640-930

BIRDS IN BLAZES IN FINCHES
[illegible]
HEUS [illegible]

RIVERSIDE FOREST 15 [illegible]

Pine	h	0.6	11L			
Magnolia	h	0.9	20L			
Yellow		0.4	13L			
Ruby-crowned Kinglet			13L			25/29
Yellowrump	h	0.6	10R			
Magnolia	h	0.8	16L			
Yellow		0.9	20R			
Wood Thrush	h	1.3	18R			
No Kent [illegible]	S	1.5	15R			20/22
Red Shouldered	h	1.5	17L			
[illegible]	h	1.9	14L			20/21
[illegible]		1.5	2L			
Sissor tailed Flycatcher		2.3	11L			
[illegible]						
Red winged Blackbird		3.4	3L			
[illegible]		3.5	18R			
[illegible]		3.1	14L			5/10
[illegible]	h	3.4	6L			
Red winged Blackbird		3.4	17L			
[illegible]		3.5	18R			
[illegible]	h	3.7	8R			
[illegible]	h	3.9	6L			
[illegible]		3.0	0			
[illegible]		3.8	1R			4/
[illegible]		3.3	7L			9/16
[illegible]	h	4.2	6L			
Willow	h	4.9	5L			
[illegible]	h	4.3	9L			
[illegible]	h	4.9	10L			
[illegible]		[illegible]	[illegible]			
[illegible]	h	3.9	10L			
[illegible]		3.2	8L			
[illegible]		5.1	11L			3/9
[illegible]		5.3	6L			
[illegible]		5.2	3L			
[illegible]		5.2	12L			
[illegible]		5.2	13R			
[illegible]		5.2	18R			
[illegible]		5.9	7L			

C

NBWR collection more new

RBA Tanager h		6.6	7L		4/29
Kentucky h		6.5	12L		
Wood Thrush h		6.8	30L		
L.T. Hermit h		7.3	2L		
Lesser Yellowlegs		7.2	00		
" "	"	7.5	"		
Wood Thrush		7.6	10L		
L.T. Hermit s		7.0	00		
Wood Thrush h		8.1	38L		
Ovenbird h		8.7	16L		
Wood h		8.6	9L		
Long tail Hermit h		8.5	2R	10R	
Sep Yellowlegs		9.4	27		
Wood h		9.6	1L		
Black h		9.6	22L		
Red Eyed Vireo h		9.8	5L		
Chickadee		9.7	10L		
VBPL h		10.2	12L		
Lesser Greenleg h		10.2	17L		
Red Shouldered h		10.1	20L		4/29
Pine h		11.6	6L		
[illegible]					
Solitary Vireo h		11.3	10L		
L. Hermit h		11.7	7L		
Kentucky h		11.9	13L		
Yellowthroat h		12.2	18L		
Pewee h		12.2	10R		4/25

Natural well ↓ off 9am

G. Sandpiper		11.5	16R		4/25
Least Sandpiper		12.6	10L		4/25
Red Eyed h		12.7	15R		
Redstart h		12.8	2		
Nashville h		12.5	3R		4/25
Tennessee h		12.5	3R		
Magnolia h		12.6	00		4/25
Greenleg h		13.9	6L		
Bl. Throated		13.8	7R		
Chestnut Sided h		13.1	14R		
Golden Crowned h		13.1	2L		
Ruby Crowned		13.6	3R		4/10
Tennessee h		13.5	15L		
Cape May h		13.5	10L		
Yellow Rumped		13.2	6L		4/9 4/10
Black Throated G		13.7	6L		"
Wood h		13.3	13L		
White Throated		13.3	11L		
Blue Headed		14.1	3L		
Veery		13.8	10L		4/10
Swainson h		14.9	4L		
Gray Cheeked		14.9	12L		
Bay Breasted		15.0	6R		4/21
Olive Sided		15.2	3L		
Worm h		15.5	7L		
Bobolink h		15.4	12L		
Blackpoll h		15.4	10L		4/9
Black Throated h		15.3	6L		
Yellow Warbler h		16.2	20L		
Wilson's		16.2	16L		
[illegible]		16.2	20		
[illegible]		16.9	9L		
Lesser Yellowlegs		17.2	7R		
Pectoral Sandp					
Pewee		17.6	1L		
Lincoln's		18.4	1L		
Winter Wren h		18.4	1R		

C

20 m

13 Lab

2/10	11		Plover	3	
5/17	11		2 Spoon	1	
5/22	HH 11				
5/26	11		Spoon	8	
6/20	11		Sandpiper	3	11
6/30	11		Sand	3	
4/3	1		Hump	5	
4/16	1		Spoon	5	
5/10	1		Hump	5	
6/23			"	4	11
5/22	1		Spoon	4	
6x12	1		2 Hump	4	
			Spoon	4	
			3 Sand	2	
Sp		in 3 lb	Spoon	2	
Spoon		3 lb	Hump	4	11
Kayak		5 lb	Hump	5	

Point counts 16 FEB 92

Sat 7 Jul Indigo Sunny

Weaver Forest trip 710

AHA (1)

AA [illegible] Antiques 1 ✓ Cir

[illegible] Record (1)

Short Bill Pigeon (1)

WBFL (1)

- Transfer to [illegible] for Schedule Pot [illegible]
- also [illegible] mapping

Dreamer	1	Mourning	1
Wilson's Warbler	1	[illegible]	1
Spotted Towhee	1	Cliff	1
Cliff Swallow	1		
[illegible]			
Western Tanager	1		727
Lesser Goldfinch	11	Ashy	1
[illegible]	1	[illegible]	11
[illegible]	1	[illegible]	1
G C Warbler	1	Chickadee	1
[illegible]	1	[illegible]	
[illegible]	1	[illegible]	11
[illegible]	11		
[illegible]			
[illegible]			715
[illegible]	15	[illegible]	1
WBFL	11	KB Junco	1
[illegible]	1	KB Tanager	1
[illegible]	1	KB Sparrow	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	SB Pigeon	1
[illegible]	1	M Orioles	1
[illegible]	1	Sandpiper	11
[illegible]		PBNP	1
Dowitcher	Ant	[illegible]	11
Green Heron	1	OB Sparrow	1
Belted Kingfisher	1	Dusky Flycatcher	1
			805
[illegible]	1	[illegible]	1
OB Sparrow	1	[illegible]	1
[illegible]	1	GS Vireo	1
WBFL	11	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1
[illegible]	1	[illegible]	1

Tour Pt 0 820

	N bill Wdcrp (1)		RA Tanager	1	
	OB Sparrow (1)		Lesser Yellowlegs	(1)	
	VBFL (1)		WBW Dcsp	1	
	WBW Vireo (1)		RT Thrasher	(1)	
	Common Bobwhite (1)		YO Flyc	(1)	
	SBP Meadlark (1)		Wrens	(1)	
RC	Mockbird (1)		M Orioles	(1)	
	Gray Sh Vireo (1)		PB Wrbl	(1)	
	L.T. Hermit	1	YW Tanager	(1)	
	Sp. Towhee (1)		Nashville	1	
Summ	SCRUB POTRERO		18 FEB	640	
	BBch		19.7	2R	1/30
	Common Tody Flycatcher		19.9	8L	3/9
	Wilson's Warbler ♂		19	"	"
	WCSh		19.3	6R	
	Carib h		19.8	20R	
	Magnolia		19.5	15L	1/2
11	Orch Oriole ♂		19.9	8L	4/4
	↳ 32 ♂	7 im ♂	7/8		
	Wilson's Sh		19.9	8L	
3	Orch Oriole im ♂		19.4	12L	9/
	Yellow-rumped ♂		"	14L	3/4
	Red-breasted ♂		"	"	not
	YBCh		19.6	13L	1/2
	Northern Parula		19.5	10R	
	LBFL	h	19.8	15R	

Catbird 19.2 8L 3/2

	CY	h	18.5	1L	
	N	S	19.1	3R	9/9
2	Bl-throated Blue	S	19.1	12L	8/8
	Red-winged Bl	S	18.3	20L	4/4
	LBFL	h	18.7	7L	
	CY	S	18.2	1L	3/3
	LBFL	S	17.8	2R	2/5
	WCO	h	17.4	20R	
	CY	h	17.1	6L	
	LBFL	h	17.2	13R	
	CY	h	16.7	6R	
	YBCh	h	17.3	7R	
	Magnolia	♂	16.3	6R	2/2.5
	Ovenbird		16.1	0L	3/7
	Gr	h	52% chump, bunch-rail,		
	light	Sunbathing,	looks up		
	Nashville	Wbl	on fence		
	Sp. Waterth	h	16.4	13L	1/2
	Northern		16.2	18L	1/2
	LBFL	h	15.8	3L	2/5
	Yellow-rumped	S	15.9	1R	
	Catbird	h	16.4	7L	1/6
	CY	h	15.3	4L	
	Prairie	S	15.1	9L	
	Black-and-white	S	15.8	1R	4/2.5
	LBFL	h	14.9	8L	
	Magnolia	♂			1/2
	Catbird	h	15.7	8R	
	Bay-r		15.8	5R	
	LBFL	h	15.3	11R	
	Magnolia	Wbl	16.2		1/4
	CY	h	15.8	8L	
	Ind. Bunting	h	15.6	0L	
	CBCh	h	15.3	4R	
	Magnolia	Wbl	15.3	8L	3/4
	Solitary Vireo	h	15.5	7R	
	Red-eyed	S	15.3	11L	3/4
	Yellow-rumped	♂	15.8	12R	1/6
	LBFL	h	15.7	16L	

C

Grey by Nature 7.6 3R Snag

CUT	h		7.8	10R	
2 WEO	h		7.5	20R	
CUT	h		7.1	10L	
LBTL	h		6.9	20R	
"	"		6.8	17L	
2 CUT	g	s	5.5	3L	chase
WEO	h		5.4	7L	
WCS	g		4.8	8R	
So Dare We			"	"	
Dwarfed	s		3.9	1L	12
CUT	h		2.8	17R	
WEO	s		"	15R	60/5
LBTL	h		2.5	6R	
NED	s		1.8	1L	
Carb	h		1.2	20R	
CUT	h		0.8	6L	

0-1 R 10% Sg
87% Tg
3 SS

L 7
88
5

4L

8x6	~~IIII~~ IIII		Spider	4 gn	4L
3x10	II		Dipteran	5 gn	6L
1x4	II	6M	"	4 "	"
4x4	I		Spider	5 gn	4L
5x6	I		Dipteran	4 gn	6L
8x20	III	1x7 III	Spider	2 gn	exp

1 No [illegible] } Wheeler
1 Orch " " S }

1 R 18 M

2x7	III		Dipteran	7	hill	Lb
3x10	I		Spider	2	"	"
6x17	I	2	"	3	"	"
5x18	II		"	4	Y/Lar	Lb
2x8	I	2 15	Acrot	2	"	Stem
3x8	I		"	5	Y/L	Lb
5x20	I		Lepid	3	w/blu	Lb
5x20	I		Cicad	5	L/L	Lb
1x6	~~III~~ III	2	Hem	7	w/h	Lb
2x5	I		Spider	4	Y/L	Lb

UPLAND FOREST 19 FEB 72

Cloudy, warm SHM 6 1/5 - 8 10

with Robin h		19.9	18R	
RCA Tanager		19.2	15L	
Tufted Titm h		19.5	13R	5
Swainson's Thrush h		19.6	19L	
RB Nuthatch h		19.8	7L	
GCS Sparrow h		19.3	10L	
P. Warbler h		19.2	8L	
Brown Creeper h		19.7	9R	
I WISH THE MONDAYS WERE GAN				
Golden Crowned K h		19.9	15R	15/22
Warbler h		19.1	16R	
Hairy h		19.2	17L	7/35
YBS h		18.5	17R	
Tufted Titmouse h		18.6	20R	
L. Headed h		18.9	3R	
Nuthatch h		18.3	15L	
RCNuthatch h		18.3	17R	
Redstart h		16.9	1L	
Titmouse h		17.3	6R	23/33
Wheaves h		17.1	8R	
Other Tanager		16.5	10L	6/30
Blue J.		16.6	8R	
Thrush		16.8	5L	
Creeper Upch		16.5	6L	

C

WW Mrs Puffers		16.3	2R		5/22
Spadewill	h	16.3	5L		3/22
BTF Glory	h	16.2	6R		
J Lee Marlin			10R		
SR Pocahontas			6R		3/30
WPR	h	15.8	2R		Cup
2 SOP Wrath		16.3	6L		
Dislyfable	h	15.8	8L		Cup
"	"	16.3	11R		
3 Marked Tiger		16.1	7R		7/29
WBurden	h	15.8	3L		6/5
3 SR Antonia	h	15.8	5L		6/19
1 B Longhorn	h	15.7	8R		
B Gant	h	14.7	15R		Cup
BP Prairie Lo		14.3	7L		9/26
WO Flyer	h	14.1	12R		
Cabaret	h	14.2	10R		2/8 Cup
Ochiwell Flyer					
WB Emerald	h	14.4	8R		Cup
SR Flyer	h	13.6	1R		
B. AR Panatela		13.2	11R		2/17
WB Keeper	h	13.1	17R		
AC Valdez	h	13.2	20L		
2 KB Moran	h	12.8	3R		3/28
CSoft	h	12.7	5L		"
Yampa	h	12.4	6R		3/21
BT Miss Gatsby	h	12.4	17R		11/20

Outside Quarter Room

[C] AT [C]

Regalia		12.1	16R		3/20
1 JF Bennett	h	12.2	9R		
1 Wonderful	h	11.3	16R		
2 Cor Vivan	h	10.8	8R		
WM Lady	h	10.1	14R		
C Bennett	h	10.1	1R		
SR Wildfire	h	10.2	10R		
2 KB Wright	h	10.5	2R		13/21
BP Valentine	h	10.2	6L		10/21
B Aurora		10.2	20R		Cup
2 BT Jungle	h	10.4	17R		
WB Keeper	h	9.7	9		
Lady Pearl	h	9.6	20R		
WPR	h	8.5	15L		
Cotton	h	8.3	7R		
Lady Gaylord	h	7.8	14L		
2 Jack of Diamonds	h	7.7	17L		
WB Wrath	h	7.5	15L		
Queen Bee	h	6.9	7R		10/23
Nugget	h	5.7	16L		5/23
Wanda	h	5.1	3L		
BT Beth	h	5.9	20R		
Bandanna	h	5.5	18R		2/25
Kate	h	5.2	13R		11/20
WPR	h	4.9	20R		
Mary	h	4.6	6R		3/18
Butterfly	h	4.4	5R		
Hoodoo	h	4.3	18L		
WBTS		3.3	1R		12/21
CSoft		3.3	3L		7/21
CBenjamin	h	2.8	13R		12/5
Mary	h	2.3	17R		
Bubble	h	1.7	3L		8/25
BT Miss Anthony	h	1.3	7L		9/5
2 RA Image		0.7	16R		
Rainbow		0.1	1L		
Kay Scot		0.4	10R		11/20
Cor Vivan		0.4	11L		
DM Mink		0.3	12R		
2 B. Y.		0.1	11R		

C

2 Blk Hd Ca [illegible] 0.5 16 R

Buff [illegible] Sa [illegible] " "

YBFL 0.7 1 1/L

2 Blk [illegible] Cave [illegible] 0.3 2

4 Left

4x30	||||	3 Kategnymph	4	gr	Lb
[illegible]x15	||	"	7	y/gr	Lb
3x15	𝍸||	Coleopt	4	Gold	Lt
4x20	|	Wehhopt	8	gr	Lb
3x20	||||	Mantid	40	|	Lt
4x20	|	Diptera	5	br	Lb
4x12	|||	𝍸||| Snail	3	br	Lb
6x20	|	2 Orthop	3	"	Lb
3x25	|	2 Coleopt	5	"	Lt
7x7	|	2 Katy nymph	6	gr/br	Lb
		Homopt	4	gr	Sdw
		Coleopt	3	br	Lt
		Spider	7	br/br	Lt
		Homopt	5	wh	Lb
		𝍸||| Snail	3	br	Lb
		Ephemeropt	12	wh	Lb
		Spider	10	br	Lb

12 m

1/4 R [illegible]

6x35	|		Orthop	11	gr	Lb
3x15	||||	||||	Katy nymph	5	br	Lb
7x40	|		Orthop	5	"	"
5x9	|		"	23	gr	"
7x25	|		Diptera	9	Br	"
[illegible]x25	|		Lep larva	13	Bl/y	Lb [illegible]
			2 Spider	10	bk-y	St
4x30	||		Homopt	4	"	Lb
5x15	𝍸|		Coleopt	6	bl/br	"
3x7	|		Ephemeropt	2	"	Lb
5x20	|		"	3	br	"
5x40	|		2 Thrips	3	"	"
3x9	|					
5x12	|					
[illegible]x25	|					
11x13	|					

15 m

SWA [illegible] Smith Marsh 8/6 Sa Ar - 2 hrs urged indeed

~~LBFL P+ 15~~

~~N Waterthrush 1~~

N. Parula	5
Maggy	5
WOTH	3
YBFL	6
Wilsons	1
Catbird	1
CSWA	2
Hooded	2
	25

1 APRIL

G F E D C B A

6 30 - 9 53

[illegible] Salt[illegible] sound 6L

Sunny [illegible] 8 45 [illegible] clouds

[illegible] 20 PBB

	Dusky Antshrike h	19.8	3R	
3	Bl Grosbk h,s	19.9	7R	
	[illegible] S	19.6	3R	9/12 Cea
	Wh Sowi h	19.7	7R	
	[illegible] S	19.6	3R	9/12
	[illegible]	19.[illegible]	1R	
	[illegible] h	19.5	7L	4/3/12
	[illegible] Tody Fly	19.2	9R	
	[illegible] Wren	19.7	9R	
	[illegible] h	19.2	10L	
	[illegible] h	18.8	5R	3/
	[illegible] h	18.4	16R	1/6
	Ovenbird h	17.7	18L	1/9
	[illegible] h	17.6	5L	1/3/9
	Wh Sowi h	17.6	10L	
	[illegible] h	17.3	12L	
	[illegible] h	17.2	20R	
4	Crested Guans	17.5	16R	4/10
1	Chachalaca			
	lots of [illegible]			
	[illegible] h	17.4	3L	
	[illegible] Saltator h	17.4	11R	
	W. [illegible]	17.4	8R	5/9
	[illegible] Tanager h	17.1	10L	0/4/11
	OB Euphon[illegible] h	17.3	17R	0/[illegible]
	[illegible] h	16.8	10R	
	2 Bl Hd Saltat h	16.7	17R	
	OB [illegible] h	16.8	4L	3/4
	RT Hummy S	16.3	2R	
	[illegible]	16.7	7R	
	[illegible] h	16.6	2L	
	[illegible] Tody Fly h	16.5	2L	
	OB Euphonia h	16.6	14R	
	[illegible]	16.3	8R	[illegible]
	[illegible]	16.3	1R	[illegible]
	[illegible] Salt[illegible]	16.3	10R	
	Sc Thrush [illegible]	16.2	20R	
	[illegible]	16.1	1R	[illegible]
	[illegible] S	15.8		

C

Wilson L		16.1	9L	8/6	
YB Sassafrasch		15.8	10L		
Overbrook		15.7	4L	2/3	Cover Cup
Wilson Pal		15.4	10R	10/10	
Reder Pals		15.3	12L	9/10	Cover
BWN Pals		14.8	9L	8/9	Cover
Hooded h	Dual Match	15.1	6L	0/3/8	
Wilson	s	14.9	2R	9/10	Cover
2 Blk Hd Sakch		14.4	18L		
GB Spanner		14.6	10R		
Marsh		14.5	3R		
YT Bugbusch		14.5	2OR		
SHA Ruby Flash	h		9R		
PR Blackgale	h	14.3	5L		
YT Oriole	h	14.2	20L		
Wisconsin	h	14.3	5L	1/3	
B Gort	h	14.3	8L	3/8 Wins	
2 Sakch	h	14.2	10R		
BK Quakerlake		14.1	11L		
BTW	s	13.8	20L	20/20	Cover
L Hunt	s	13.9	0.0		
	Next Quart				
W Bugbusch	h	13.4	3R	3/4	Cover
Wilson	h	12.9	5L		
2 Black Hd	h	11.6	14L	14/20	
Wilson	h	11.5	10L		
Vanderbilt	s	10.5	14R	8/9	Cover

Grand Cell Tank	h	10.5	4R	9/10	
PR Sassafrasch	s	10.4	9R		
Wilson	h	10.4	12L	8/9	Cover
	h	10.2	5L		Cancel
GB Sassafrasch	h	10.1	8R		
Rowville		10.1	20L	7/8	Cover
Wisconsin	h	9.9	4R		
BT Stratton	h	9.6	6R	8/10	
Lake Sunset	s	9.4	6L		
B Gort		9	4	6/7	
Overbrook Flamma	s	8.9	4	4	7/10
YT Oriole	h	8.2	12R		
PR Sugar Tam	h	8.4	20R	14/20	Cover
Rowan	s	7.9	14L		
Osuna	h	7.3	8L		
4 Bad Bull	Urban	8.7	14L		
SHA Ruby Flash		9.4	3R		Cover
PR Pennant	s	8.6	6R		
YT Oriole	h	8.3	14L		Cover
BW Pals	s	8.3	5L	9/13	
Sunset	Wisconsin	8.1	4	1/3	
Blind		8.7	12L	8/10	
Nutcracker	s	8.6	14L	8/10	Cover
Wilson Pals in Compto					
Glenville	s	7.9	18		
Mary	h	7.8	9R	3/6	
Wisconsin	h	7.6	8R		
Pennsylvania	h	7.3	8R		
3 Blk Hd	Salt	6.8	2L	7/9	
2 Lined	Anchorage	6	15R		
Spot	Nun	6.9	17L		
Little	Hermit	6.8	0.0		
PR Minnie	h	5.8	3L		
3 Marie	Tuna	5.9	14L	3/20	
Big	Quakerlake	5.5	12R	9/10	
Gort	h	4.8	12R	16/20	
Hunter	s	4.3	14L		
2 Big	Sullivan	4.3	18R		
Wilson	h	4	7L	3/5	
YT Gopher	h	3.3	4R		

C

RB Spurlock	4	PAR		
2 Dick, Andy h	"	17R		
Monty R	3.9	10L		
Tomm Wise Woops	3.8	9L		
L. Hennet S	3.9	7L		
Wilson B	3.4	6L		9/20
2 Dwayne h	2.9	20R		
Wes Pollard S	2.6	7L		7/20
Sepp Cap Flyb	2.8	2C		
Overland h	2.6	15R		05/30
B. Antchike	2.6	13R		
L. Hennet S	"	1R		
Sacha Williams	"	"		
BS Spencer h	2.4	9L		
Reba h	2.4	15R		
Big Instructor h	"	"		
Nitrosh h	2.4	4L		
Dixie Capped Flyer	2.7	12L		9/11
2 Crossover Cat on set	0.2	28		7/5
CSrA S	0.1	11		11/21
GB Spurlock h	0.2	6L		0.5/
B. Antchike	0.3	16L		1/5
VT Euphoria h	0.1	16L		

Wilson	17
Deckert	6
Henderson	3
LETL	1
Overbaic	3
WOTH	1
Always	4
BTMN	2
Hooked	1
Nocturne	1
CSrA	3
SWFA	1
	42

STUPID. PCNUBERS 21 = 6
PLAY: HASTIST ADJK TO SIRTON
OVERCAST
F1 F2 F3 F4 F5 GS 2

2 [illegible]

3 [illegible]

5 [illegible]

7 [illegible]

8 [illegible]

FORM

PT 3 PT MIN 720

2

3

5

PT 4 P-T PLAY 735

2

3

5:15 7:15

5 min

35 min

760

P-5 PT MIN

2

3

9

5

P-6 PT PLAY 803

2

3

5

10 10 5 5

7 min 13/30

P-7 8:18

2 5 10 5 5

5 min

16 min 7:26

5

11 100 25 8 25 5

P48 PT. PLAN 838

2 10 10 10 10

3 15 15 15 15

5 55 345

104 18m

7/20

P49 PT MIN PLAN 840

2

1120

5 10 10

5'00

5 15 5 20 35 20

P50 PT PLAN 839

2

3 10 10 048 5 5 5 5 1130

10 10 10 10

10 1

5 10 10 10 10 10 5 5 5 5 5

10 10 10 5 5 5 1

5 5 5

20 m

Pt. 1 Stand Number

P 7 Lost "

P 8 " " " Stand

P 9 - 150 m upstream on left bank

P 10 - " " " left

P 11 - " " " "

P 12 Stand Number

Pt 16 Stand Number - 150 upstream

17 " " " "

18 " " " "

19 Found Number " "

20 Stand Number 150 m upstream

20 " " > " "

Pt. 2 Stand Number (1)

Pt. 3 Stand Number (1)

Pt. 4 Stand Number (1)

Pt. 5 Stand Number (1)

Pt. 6 Stand Number (1)

Pt. 7 Stand Number (1)

Pt. 8 Stand Number (1)

Pt. 9 Stand Number (1)

Pt. 10 Stand Number (1)

Pt. 11 Stand Number (1)

Pt. 12 Stand Number (1)

Pt. 13 Stand Number (1)

Pt. 14 Stand Number (1)

Pt. 15 Stand Number (1)

Pt. 16 Stand Number (1)

Pt. 17 Stand Number (1)

Pt. 18 Stand Number (1)

Pt. 19 Stand Number (1)

Pt. 20 Stand Number (1)

R-7 Forest Meadow 6:56

Redstart 1		B. Autumn (1)	
Rose Breasted 11		W. W. Cuckoo (1)	
Greenish Elaenia		S. Pewee Tem 11	
YB Cuckoo (1)		Least Fly 1	
Vireo 1		BG Dove (1)	
Wooded (1.5)		Caulo Sand (1)	
Red Bellied Woodpecker (1)		BT Solitaire (1)	
Acadian Flycatcher (1)		WCS (1)	
Pileated 1		Baltimore 1	
Scarlet Tanager 1		Great Antillean (1)	
Yellow Warbler 1		CUTA (1)	

R-7 Fox M 7:16

Wilson (1)		YBPL (1)	
Red Bellied (1)		RB Cuckoo (1)	
BT Solitaire (1)		Yellow Warb. (1)	
RT Tanager (1)		O Baltimore (1)	
>2 No Owls (1)		Magnolia (1)	
Lit. Tinamou 1		B. Gnat (1)	
Mourning Dove (1)		Blue gray Gnat (1)	
Rocky Cap Fly (1)		Scarlet Tan 1	
Red Tailed Hawk (1)			

Red F M 7:40

BG Gnatcatcher (1)		W. Mandrake (1)	
YBPL 15m 1		Wilson's (1)	
Redstart 1		Northern Water (1)	

Day Birds (1) Blue Jay (1)

Crows (1)		White Throated (1)	
Tufted Titmouse (1)		Black Throat (1)	
Carolina Wren (1)			
Red Bellied Woodpecker (1)			
Red Shouldered Hawk (1)			
Lit. Tinamou 1		Solitaire (1)	
Lit. Blue Heron 1		Blue Jay (1)	
Sharp Shinned Hawk 1		Red Bellied (1)	
Wood Duck (1)		Red Winged (1)	
Ruffed Grouse (1)		Upland (1)	

R-10 Bunnell 8:17

Robin (1)		Warbler (1)	
YBPL 15m, 16m		Redstart 1	
Pileated 1		Black Vireo (1)	
Lit. Tinamou 1		Black Throat (1)	
Acadian Flycatcher (1)		Red Eyed (1)	
Scarlet Tanager 1		Solitaire (1)	
Crested Flycatcher (1)		Blue Jay (1)	
Ruffed Grouse (1)		Northern Water (1)	
Red Tailed Hawk (1)		Wood Duck (1)	
Sharp Shinned Hawk (1)		Hooded 1	
Lit. Tinamou 1		B/G Dove (1)	

R-11 R. Meadow 8:55

Gr. Yellowlegs (1)		Newly Hatched Cor	
Spotted (1)		Gr. Blue Heron (1)	
Solitary Sandpiper (1)		Green Heron (1)	
Spotted Sandpiper (1)		Lesser Yellowlegs (1)	
Least Sandpiper (1)		Killdeer 1	
Semipalmated (1)		Wilson's (1)	
Pectoral (1)		Least Bittern (1)	
Stilt (1)		Sora (1)	
Semipalmated Plover (1)		Virginia Rail (1)	

Scott Meacham Pr 16 25 2

Wells Wood 1 N Jeopardy (1)

Rex Tay (1) GR Sp. Saw (1)

Sp. Lubber 11 SR Tower

WBBL 1 Bird LBTL 1

L Bennett 1

Pr 12 Bogue Meacham 909

Wi Jones 1 Gw Eleven (1)

Red Lord Tend (1) Jacob Fuller (1)

Yell Rit Cougar (1) Jacoma (1)

Second Sun (1) BV Clipper (1)

Nursery Rock 1 L Bennett 1

Rubber Tree (1) Lit's Tower (1)

Jesse Bracelet (1) (1) LBTL (1)

S.h Wildcat (1)

Scr SR Meacham Pr 17 929

Red Crowned A Sun (1) Red and Gold

Lesson Guide 1 Wi Jones 11

SR Tower 1 WCS (1)

7/6 YBBL 1 Gl Bay 1

Sp. Lubber (11) Gm Widgeon 1

in Blackapp 1

25 POB Bogue 20

Playbooks Flawlessness Round Pr 9 & 10

Pr 9 P.T. Mun 7 3 5

2

3 11 11 10 10 0:25
10 10 8

5 3 10 10 10 10 10
2 sec

7m

17/18

Pr 16 P.T. Mun 7 4 8

2

3 10 0:02 10 10 10 10 10 0:40
10 10 9

5 seros
10 10 10 10 10 10 10 9

17m

6/7

C

Texas Sash

651

Post Runners Due Tom Arrap (cont)

Scrub Meadow Pl 18

Scarlet Rump Tan III Special Pl (1)

Dusky Antbird II R.T. Tanager

Red Land Tanager III Yellow Warbler

Sp Bri Wren (1) Yellow Pl

Rufous Sided Towhee (1) Mell's Sparrow

Tawny Meadow Lark R B 707/30

Green Jay (1) BGL 7m 10/2

R.T. Chaparral Lark BI Pacific Pewee

BT Gnat (1) Vir's Tray (1)

Red Land Tanager (1) RB Grosbeak (1)

Sutt (1) (Footed) 1

Green Kingfisher (1) GB Sparrow (1)

RB Grosbeak (1) Red Crested Tan

Scrub Meadow 19 728

Dark Antbird (1) Yellow Wr. (1)

Sp Wren 1 M. Orpen Lark (1)

SC Rump Tan III Brown Jay (1)

RT Hum 1 Y Throat (1)

LBGL 1 YBGL (1)

Green Kingfisher (1) GB Sparrow (1)

Ovenbird 1 Gr Jay (1)

GB Sparrow (1) Social Pl (1)

Footed 1 BW Sutt 1

BB are be (1)

Scrub Meadow Pl 20 755

BBL (1) Sutt (1)

WBL (1) Green Kingfisher (1)

BT Gnat (1) Rufous Sided Towhee (1)

Sc Rump Tan (1) Pale Vented Pigeon (1)

Sp Bri Wren Social Pl (1)

Pale Vented Pigeon (1) Red Land Tanager (1)

Green Crake (1) Yellow Warbler (1)

Red Bellied Tan (1) Mourning Dove (1)

Dark Ovenbird 1

Lark 37/8 Tawny Meadow Lark

15

FL Green 23/24 m

Record

Summary

Accidental Past Edge 25 Tot 75

[illegible]

C

LEFT		9.5	10		
Blue Bubble	s.h.	9.9	8R		0/1
Cobb	h	9.7	12R		0/1
Murphy	h	9.7	9L		
Cuff	h	9.6	18L		
UR Gunn	LB s	9.1	15R		10/19
Clay	Wd Rd h	9	10L		
Riley	h	9.2	15L		
Mad-X	s	9.1	9L		1/2
Mr Wed	Z	9.1	2R		1/2
B Sock	c	8.9	5L		6/3
2 Regent	s	9	12L		8/12
Pepe	s.h	9	1L		5/8
Avery		9	2L		9/12
S. Pompeiana		9.2	20R		
B T		"	19R		
Mel Black		"	20R		
D Waterford		9.1	1L	Strong	
Cobb	h.s	8.7	2R		
Tom Wade	s	8.8	7L		No Place
3 Dick Dodge		8.8	7L		
Bros Wen		8.9	8L		
Mary		8.8	7L		1/2
Cath		7.7	9R		
2 Mel Black	s	7.7	14L		7/5
3 Lee Bird	h	7.9	11R		
Wise	h	7.1	3L		

CUT	h.s	6.8	2R		
Hag	h	6.3	6L		
Bell	h	6.5	20L		
"	h	6.4	16L		
Murphy	s	6.1	3R		9/5
Lerey	h	6.1	24R		
Cuff	h	6.1	12L		1/6
Cuff	s.h	6.1	7L		1/6
Mr Gunn	LB	5	5R		3/1
Lil Bunny		4.9	6R		1/6
Lil		4.8	3L		0/1
2 B	Lo Hadn	4.6	6R		1/2
Cuff	h	4.5	5L	1/2	Dead Heat
2 Jim	Wd Rd Hopton	4.5	3R		8/1
2 Gunn	h	4.5	4L		5/6 Dead Heat
LB Z	h	5.6	8L		1/4
"	"	3.0	20R		
"	"	3.3	16R		
Portugues	s	2.9	5L		9/5 Dead Heat
Murphy		2.9	15R		3/5
Clark		2.8	20R		
Vic Cuc	s	2.8	4R		9/5
Lil	h	2.11	13L		
Mr Gunn	h	2.1	5L		
Lil		1.8	14L		
Rosalch		2.8	7R		
Cuff		2.1	2L		1/5
Cuff	h	1.6	14L		
Hickman		1.8	8R		9/2 Dead Heat
Mr Gunn	h	1.5	2R		1/6
Pepe	s	1.5	9R		20/1
2 Mr Gunn	s	1.2	8R		15/6
Lassen Girl	L	1.5	5L		
Gotham Glamour					9/16
Cuff	h	1.6	10R		
Mr Gunn	LB	1.9	14L		7/5 Dead Heat
Mr Wonderful		1.5	7L		
Cobb	Mem	1.2	10R		
Mr Gunn	h	1.3	14R		
Lil Hanky	LB	1.7	14L		

C

Blk Gnatcatcher				12.4	1L
18 FL h				12.3	3R
18 Wandering h				13.4	10L
1 PFL h				13.8	5R
18 Hermit h			DIG	14.1	3R
18 FL h				14.1	9L
4 TD h				14.4	10R
" h				15.3	15R
Blk Phoebe s				16.5	10R 9/12
18 FL h				17.2	6R
" "				17.7	3R
" "				18.0	6R
Ruby Crowned K				19.1	2R
2 Ancient Murrelet				19.9	12R 15/15
1 Scaltopus h				19.9	
Red Breasted S				19.9	20L 3/15
Blk Grosbeak ♀				19.7	13L 13/15
Catbird				19.9	1L Banded

Dirdo - 2 white w/ yellow, yellow back
Blkheaded
Scotts
Bullock

C.R. Birds

Cloudy cool
Slight westerly wind

Number
7261

900 - Dusk

CAPO 27 FEB 92

Wilsonia h			0.1	3L	4/24
Wilsonia h			0.5	10L	
2 Swainson h			0.1	6L	
1 Swainson h			0.1	2R	
Chaetura h			0.2	13R	
Guide over Capm			0.2	7L	
Duck h			0.3	12R	
Yellow Bellied S			0.3	10L	
2 Duck h			0.3	7L	
18 FL h			0.7	15R	
Hermit h			0.7	3L	
Yellow h			1.1	8L	
Yellow Wy h			1.1	15R	
Black S h			1.1	3L	
18 FL h			1.2	1L	10/12
Unidentified Sparrow h			1.6	3L	
Lincoln's S			2.2	5R	8/15
Sutton h			2.2	1R	7/12
Yellowthroat h			2.4		
Warbling V h			2.5	4L	2/12
2 Wilson's h			2.6	3L	8/12
Warbling V h			2.7	3L	9/9
Bl Chinned h			2.5	3R	
Lawrence's h			2.5	4R	
3 Rufous Crown S			2.8	5L	
Wren h			2.9	9L	
Yellow Rumped Warbler			2.8	5L	
Fox S			4	5L	
Song S			4	5L	
Blue Sally S			4	5L	
Robins h			2.2	5R	
Varied			3.3	17L	
2 Varied			3.8	2R	
18 Varied			3.1	20R	
Varied			3.5	5R	
Varied			3.5		
Varied					
Varied					
Varied					
Varied					
Varied			4.1		
Varied			4.3	10L	

C

Redstart 7h	6.1	8R	9/10
YBPL h	7.2		
2 Meadow Pipit	6.5	8R	14/14
Redstart →	7.3	16L	17/22
YO Phyc h	8.2	0.0	18/25
YBPL h	8.5	7R	18/20
Tree Pip s	9.3	8L	10/12
2 Pied Fly s	9.1	5R	10/17
BB Rudd h	9.3	15L	
Rudd h	9.2	20R	
RT Pipit h	9.5	9R	
[YBPL	10.9	11L]	
3 Pt Tanager h	10.6	5R	
Redstart h	9.8	17R	
2 Tree Pipit h	10.8	0.0	12/12
Wood s	11.1	4R	9/10
2 Meadow Pipit h	"	"	" "
YO Fly h	10.9	9R	
BB Chickadee s	11.7	4R	9/10
"	"	"	" "
Redstart			
Redstart			
Magnolia	11.7	6R	8/10
Sapsucker			
Wilson's			
2 Black-throated Green	11.8	13R	
Lesser Goldfinch h	11.9	17R	
WB Cardinal s	11.5	15L	10/16

Ovenbird h	14.7	8L	
Tennessee h	15.2	17L	
Blackpoll h	15.5	7L	
Chestnut s	15.7	8R	LBK
Swainson's h	15.6	15L	
Black-throated Green	15.8	14R	17/23
OR Sparrow	15.8	7R	9/4
Redstart	15.8	5R	4/4
Brown Thrasher	15.9	3R	3/9
Redstart h	16.2	15R	amp
Mourning s	16.4	20L	
YBPL h	16.5	8L	
Nashville s	17.2	8L	9/13
Black-throated Blue	17.8	7L	amp
YBPL s	17.7	3L	16/18
Russian F	17.9	15L	
Lesser Goldfinch h	17.8	18L	
YO Fly h	18.1	15R	
RT Nuthatch h	17.7	10L	
[illegible] s			
[illegible] 2			
[illegible] 1			
[illegible] 3			
[illegible] 7			
[illegible] 1			
[illegible] 1			
[illegible] 3			
[illegible] 4			
[illegible] 1			
[illegible] 4			
50			

C

CWD 923

MILPA 23 FEB 92 Cloudy, cool

Yellowish Wd Lf		0.5	5L		3/3
Greenish Elongated h		0.5	8R		
Yellow Wd h		0.1	3L		2/3
Scaled Thyes		0.3	7R		5/5
Wh Scaled h		0.3	10R		
Varnish Seedlings		0.8	10L		4/5
Opt h		1.1	4L		
Wh Varnish	10	0.9	6R		1/2 Dam
Scaled Thy s		0.9	16R		
Red Leaf		0.0	6R		Dam
10 BBG h,s		2.1	2L		0.5/1
LEPI h		2.1	19R		
Scaler Pimpinella		2.2	20L		2/3
Opt		2.5	6L		1/2
UEPL h		2.9	4L		
Mud Ball h		3.7	8R		3/3
WCS pr.		3.2	20L		2/2
Wilson		3.5	3L		
CH Gs		5.6	7L		
3 Scaled Thyc		4.2	8R		3/3
Fibrous Potentilla		3.8	5R		1/2
Yellow Wd		4.2	1R		3/3
S. Pimpinella h		3.9	10L		4/5
WCS s		4.6	18R		
Potentilla h		4.2	2R		3/3
6B Spanish		4.6	12L		2/3

WCS h		5.1	12R		
Mud Balls		5.2	20L		3/3
Yellow Wd		6.7	20L		3/3
WCS s		5.2	20L		1/2
Yellow Wd h		5.1	5R		0/3
Opt h		5.1			
Lo. Gr. Ph		5.5	15R		4/5
" " "		7.0	1L		3/4
Wh Tumbleweed		5.2	9R		
Wh Scaled Ball s		5.1	9R		1/1
WCS s		5.2	8R		
Varnish Seed		5.2	11R		2/4
Scaled Thy s		5.2	1R		
Sh Bur h		5.9	1L		1/1
Opt h		5.4	7R		
2 Grayish balls s		10.5	20R		1/ bore cut
Brown Dar s		"	"		
Cloud Cold Ball		10.7	"		3/3
Varnish Seed		"	"		
WCS s		10.9	20L		
10 BBG		10.9	1L		
WCS s		11.4	10L		
Opt h		11.6	10R		
UPC h		11.8	15R		
Mahogany s		11.6	19R		1/2
[illegible]		"			
[illegible]		"	"		
2 S. Pimpinella		11.6	10R		
3 Scaled Thy s		11.9	15L		
Wh Sarbator					
S. Pimpinella		12.7	9L		
Wilson Wd s		12.3	12R		
Mahogany h		12.5	3R		
Opt		12.7	1R		0/1
2 BBG		12.7	1R		
Mahogany h		12.5	3L		
Cat h		12.2	6L		
WCS s		12.5	1R		
WCS s		12.6	1R		

C

2 GAB Ans S		10.5	6R	3/3
BBGh		15.5	10L	
2 Rindy Cond Dave		15.3	10R	4/6
LBPL h		16.9	7R	
5 WCS S		16.4	6L	
2 BBG S		"	"	
Lowe Wm S		6.7	18L	3/5
CHT "		17.5	6R	
Wilson Wm Rod		17.5	14L	4/5
2 Cond Ernest		17.9	5L	
Rindy Bill Dead Rock		17.5	3L	
LBPL h		17.4	14L	Choice
Cash Ms S		17.6	11L	
11 B Flannigan S		"	14L	
Rindy Cond Dorle S		17.4	9L	
Mary S		17.4	18L	
Rindy Cond Blue		17.1	18L	15/22
Common Tidy Flats		17.5	3R	
3 Blue Cash S		18.1	1L	11/
BBG h		18.5	11L	
2 Ind Bill S h		18.1	13L	
LBPL h		18.7	10L	
Cash S		19.2	17L	2/3
LBPL h		19.5	11R	

Ross 15L		3 M			
2 Sunflower		15 Sunflower	4	4	1
Wet		"	3	2	2
		"	"	"	"
Wilson Wm	7				
Cat	5				
Wilson	5				
Dalton	1				
LBPL	5				
2 Ind Bill	3				
WSC	1				
Wilson	1				
Cash Ms	2				
Cash Ms	3				
	35		Fun Day		
2 Pendes		5 Mark	9L	6/5	
BPL h		21.6	20L	6/8	
Rindy Wm h		21.8	9R		
Rindy		21.6	8L		
Dunlap Wm h		21.3	15L		
Rindy Wm h		21.2	13R		5/10
Cash Wm h		20.9	20L		
Dunlap		"	"		
Bill Wm h		20.1	3L		2/12
Rindy Wm h		19.8	8L		
2 Red Rindy h		19.8	7R		9/14
2 Ind Bill					
Red Bill		19.4	2R		
2 B Flannigan					
2 B Flannigan					
BBC h		19.1	11L		5/16
Ind Bill h		19.7	16R		13/22
2 Lowe Wm h		19.3	2R		
Wilson Wm h		19.2	13L		
Ind Bill h		18.7	12L		
Cash Wm h		18.8	11L		
B Bill h		18.8	2L		
2 B Wm h		18.5	20L		
Wilson Wm S		18.3	9R		
BBG h		18.1	1L		4/12

C

Fruit eaters are back
11.8 Wrench off transect
with empty

2	Rolle Antom		17.6	20L		
8R	Gulmm	Plantain	16.6	9L	12/3	
	WBTL h		15.5	8L		
2	Cuscus s		15.2	3R	Sleeping	
	WBTL h		14.9	4R	1/12	
	Redbreast		11.9	15L	12/23	
	Rufous Flycs		14.5	18L	4/20	
	Buff-all h		13.8	18L	4/25	
	Wrey h		13.7	29L		
	Tom Wrey Wrens		13.3	2L	6/12	
	R Robin h		12.8	15R		
6	B & Cuckoo h		12.2	6L	1/12	
	WBTL s		11.6	7R	4 [illegible]	
2	Cuscus h s		11.8	10R		
	Mayer h		11.8	11L		
	Little s		11.6	2R		
	Mayer h		11.4	10R		
	Cuscus h		11.0	5L	[illegible]	
	Wren h		10.7	10R		
	L Greenlys		11.2	10R		
	Sleepy tail Trogons		10.4	9R	7/9	
	Collared b		"	"	1/6 / [illegible]	
	Mayer h		10.1	16L		
	Wren s		10.1	14L	3/10	
	Wren s		"	" L		
	Slow pace fruiting empty					
	Mouthy f s		10.1	4R		

	Robin	3.5	15L		
	Wren h	3.2	17L		
	Robin h	3.2	10R		
	Wren h	3.3	20R		
	Mocking h	3.3	2L		
	Wren h	3.3	8L		
	Bellbirds h	3.8	13R		
	Bellbirds s	3.8	3R	6/10	
	Wren h	3.9	3L		
	Bunting	3.2	4R		
	Robin h	3.5	1R		
	Bunting h	3.7	2R		
	Wren h	3.5	8		
	Wren Tree h	2.9	2L	[illegible]	
	Robin h	2.8	8L		
	[illegible]	2.7			
	[illegible]	2.5	9R		
	[illegible]	2.5	16R		
	[illegible]	2.2	10L	15/22	
	[illegible]	2.2	10R		
	[illegible]	2.3	20R		
	[illegible]	2.3	16R		
	Wren h	1.9	9R		
	[illegible]	1.5	17R		
	[illegible]	1.2			
	[illegible]				
	[illegible]				
	[illegible]				
	[illegible] h	1.5	10R		
	[illegible]				
	[illegible]	1.3	11L	1/5	
	[illegible]				
	[illegible]				
	[illegible]	1.2	7L	24/22	
	[illegible] h	1.2	15L		
	[illegible] s	1.5	11R	[illegible]	
2	[illegible]	1.1	7L	[illegible]	
	[illegible] b	0.8	5L	[illegible]	

C

Transcribed tags from 28 Feb

Sound

Bugs Left 19M

3x12	11	Spain	4		1L
4x12	11	"	3		4L
5x20	1	Lep Lawn	11		
2x7	1	Spain	10		
2x8	1	Rennet	3		
5x1	1111	Colony	2		
1x4	111	Tufted	12		
3x15	1	Rennet	3		
2x10	1111	Spain	11		
5x7	1				
2x12	1				
3x9	11				
16R		Rennet	3		6L
3x8	11	Dipt	5		6L
1x4	1	2 Rennet	3		
2x5	1		3		6L
2x6	11	Lep Lawn	12		
5x20	1	Spain	5		
6x12	1	Cobb	5		
3x7	111	YB&L	8		
5x15	1	Bow Wub	1		
1x5	111	Gr. Gr Fly	2		
4x3	11	WOOTH	9		
		Red	3		
		Mag	4		
		Bedbug	4		
		Sum	1		37

6-March 60s Outdoor 8.0

18	L	4	17	10R		350
Cut	2		19	5	15R	
Cut	2		19	2	4L	
2A Bunting	Sp		18.7		10L	
2	"	4	19.2		11L	
Cut	4		18.7		9L	
Cloak	9		17.6		1R	1/2
Cloak	4		18.2		6L	
Blue Fly	4		18.7		10L	
Cloak	4		18.3		13L	
Mourning Cloak			17.5		5L	
Cabbage	5		17.5		7R	
LBTL	13B	B20	16.7		1R	1/2
2 DA Bunting	5		"			1/2
Cabbage	5		"			
LBTL	5		17.5		17L	1/2
LBTL			16.5		15L	
Cabbage Butt	R		16.4		7L	3/4
Cloak Tortoise Shell			15.7		5L	
LBTL	4		15.6		14L	
3 Mourning Cloak	5		14.3		6L	
Cabb	5		15.4		3L	
"	4		16.1		20R	
Mourning Cloak	4		14.8		14R	
5 Cabbage Butterfly	5		14.3		6L	3/4
2 Sleep	5		15.2		2L	
1 Sleep	5		15.5		7R	
Red Admiral	5		15.2		1L	
Yellow Tiger	5		14.3		6L	1/2
Cabb	4		15.9		3L	
Black	5		14.1		6L	1/2
LBTL	4		14.5		13L	
Mourning Cloak			15.2		20R	1/2
1 Black Swallow	5		15.5			
Cloak	4		14.7		10R	
Mourning Cloak	1/25					
Mourning Cloak	1/25		13.5		2R	
Red Admiral	1/25					

C

1 Brewer warbler			13.5	8R	10
Blue Gr	L		14.3	6L	13
Chickadee	h		13.5	17L	
LBTL h			13.3	19L	7/5
Tufted titmouse			12.6	5R	10
3 Sc Pump Thrush		PR	12.4	10L	5/9
Chickadee s			12	2L	
Tennessee Warbler s			11.1	14R	7/9
B gnat	s				
Red eye Towhee		PR	10.9	12R	11
3 Cedar s		5/12	10.6	4R	
Brown thrasher			10.6	8L	
LBTL h			10.7		
Ruby throat h			11.8	7L	
2 thrush sp Swainson			11	5L	
Yellow warblers			11.1	18R	14/5
M. Blackbird	s		"	"	
Tr Kingbird	s		"	"	
Common Grackle	s		10.6	20R	7/10
Sp Bunting	h		10.5	9R	
LBTL s			10.1	7R	5/9
Tree Pewee	h		10.5	10R	7/9
Sc Pump Thrush		PR	10.5	8L	
2 BBG			"	"	
Red Bellied	s		10.4	5R	
2 Pewees	s	PR	8.9	8R	3/10
LBTL Phoebe	h		"	17R	10/5

4 Tree Sparrows in 2 in 2 (Couch) see both sing

2 Tree Sparrows		8.2	3R
B.C. Chickadees	s	8.6	18R
B.C. Nuthatch	h	"	"
Red Bellied	h	8.4	12R
2 Brown Creepers	s	8.3	11R
Ruby Crowned	h	8.3	8R
Yellow Warbler	h	8.2	8L
4 Tree Sparrows	s	8.1	14R
Redpoll Warbler	s	"	"
Sparrows	s	7.8	14L
LBTL	Chickadee	7.8	10R
Yellow Warbler	h	7.1	8R 13/15
10 BBG		7.8	10R
Cedar Waxwings	s	7	10R 15/15
10 Canada Geese	9	9	Flew Towards
Eds Pond		4/4	
6 Rose breast. Grosbeak			same as above
		9	

LBTL	13
C Y T	9
Tree Swallow	9
Redpoll	1
Black Throated	1
Chickadee	5
Wilsons	1
Catbird	10
Yellow Warbler	4
Wood Thrush	1
Robin	1
Red Eyed	1
Tree Swallow	1
	47

C

Riverside Forest 6 March

2 G Hadley	h	19.9	1L		7/12
Silfus rump Pkg	s	18.8	7R		8/12
Long Tail Hewitt	UBK	18.8	14L		
2 Buff the Fool Gilm	h	18.7	6L		
2 Yellow Boots	h	18.5	17R		
Dodsday Fast Week		18.7	12R		
Kemper	h	18.4	6R		7/9
N. Waterman	h.h	18.6	7L		
Chest Colored wlpers	s	18.3	3R		7/13
2 G C Hadley	h	18.3	4L		
UB Spencer	h	18.4	17L		
3 BF Crockett	h	18.1	14R		
Spot to Wren	h	17.8	18R		
UB Spencer	s	17.9	8R		
Rod M. A Tanya		17.4	20L		
BB Gurostock	h	16.7	18L		
H C Megalon	h	16.9	11L		
2 Spot Wren	h	16.6	15R		
BT Shu Tan	h	16.2	6R		
Bold Ann		16.3	17L		10/21
2 H C Wards		16.2	6L		
2 BC A Tanner	h	16.1	2L		
BF Grocock	h	15.8	19R		
Baseball	h	15.8	12L		
Dick Ambit		15.9	16L		

- where are they all?

Bennet h 15.6 14R

Wrinkleman	h	15.3	13L	
Wrinkle		15.3	10R	
N. Forest wlpers		14.9	18R	
F. Hernandez	h	14.5	9L	
Rina	h	14.9	20R	
Sweet Bo wlpers		14.8	20L	
Rodt	h	14.2	4L	17/25
Greenleth		14.1	6L	
VF Supreme		14.1	10L	
Andrew Rodt	h	13.9	12L	
2 DM Wren	h	13.8	8L	
Tokyo	h	13.8	4L	
Bach		13.7	13L	13/25
Supreme Pks	s	13.3	1L	
Long Bill Quick	h	11.7	3L	
Sere cop Pkg	h	11.8	2L	
Lindell	h	11.7	8L	
2 Dutch	h	11.3	12L	
2 BS Anderson	h	11.5	13L	
KT Hunter	h	11.3	7L	
UB Hunter	h	11.3	1L	
Lidbank	s	11.2	1R	
VB Wren	h	10.7	11R	8/24
Kolo Pkg Beccaro	s	9.5	9L	2/24
Lonestar Hunt	s	9.7	2L	
2 VB Wren	h	9.8	5L	
BF Glenn	h	10.1	2R	
BF Tanner	h	9.3	1R	
BT Hunter	h	9.1	10L	
2 DS Anderson	h	8.8	9L	
2 DS Anderson	h	8.8	3L	
Hart	h	8.5	18L	
Wrinkle	s	7.9	5L	
2 Dan Hunt	s	7.9	3L	
BF Hernandez	h	7.7	10L	
BF Tanner	h.s	6.9	4L	14/28
2 Dutch	s	6.3	16R	17/28
2 Sweno Hunt	s	5.9	16R	
2 Dan Hunt	s	5.6	6L	

C

Crosslands 9.05 11.22 → 2

D W Brown	h	5.5	7R	
Kentucky	h	5.2	17L	
B Just	h	4.9	12L	
T The Marathon		4.8	9L	1/2
2B J The Saltbox			20L	
WB W Wren	h	4.4	1R	
2 D Brown	h	4.7	4R	
L Greenlot	h	4.5	15R	
Mary	h	4.6	10L	
WB Wish	h	4.3	16R	
WB Wren	h	4.9	10R	
L Hunt	s	3.8	0R	
2DB Euphonic		3.7	5L	
R Ardmore	h	3.7	7L	
Rebecca	f	3.2	7L	1/2
WB Vivian	h	3.2	13L	
D Warren	h	2.7	1L	
L A Tan	h	1.7	5L	
R Jay	s	1.3	19R	1/2
SL Bucaneers		n	n	
L A Tanner	s	0.7	1R	
L Gil Dwyer		0.5	6R	1/2
WB Wren	h	0.3	2L	
D Fol Star	h	0.1	1R	
L Hunt	s	0.1	0L	

Results Orchard Park Fri Sept 7/6
No Qr

Attendance
SVDP w/ Ed Rowe No Art 7/6

Feature Fourth Round Quarter Gr
Selected

A 2F 803 70 To
B Saville (D) Sharon Fairway
B Salvation 1 Burgoyne 1
B Hooper 1 Sandy Beach (D)
B Bartender (D) Wisecrack (D)
C Bolted 1 Bunkum (D)
C Bolted Freeall 1 Bunkum
M Bachelor (D) GB Spring (D)
M Rosie (D) Sun (D)
1B Crowne (D) Redwood 1
Bolted Five 1 Hubbard
Bolted (D)

OPEN 817 550 To
Redwood 1 Fly 1
Hubbard (D) Tennessee Waltz
Sun (D) Mistake (D)
Bartender (D) Wisecrack (D)
Sun 1 Bartender (D)
Big Mistake 1

Pace 853 70 To
Big Fly (D) 1 Blackbird (D)
Bell 6m Gambler (D)
Bell (D) Bamboo (D)
Gambler (D) Sit Down (D)
Bell 1 Sun (D)
Gambler (D) Sit Down (D)

/C

x Orange Sets up nest

Pt 24 850 35%

Wilsons	1 (1)	~~Redstart~~	
Viol Trogon	(1)	Pt Tanager	1
YBFL (1)		Yellowlegs	1
Attila (1)		Red eyed Vireo	(1)
CVT 1		RC Kinglet	(1)
Brilliant (1)		Nashville (1)	
GO Upper	(1)	GHR Sparrow	1
WCS			

Pt 25 904 30%

WCS	1 (1)	D C Flyc	1
GT Grackle	(1)	M Blackbird	(1)
LBFL	1	Orch Oriole	1
x Violaceous Trogon	(1)	Yellow Shafted	1
BBG	(1) 1	B & W	1
Sm Cuckoo	(1)	B Throated	(1)
Social Fly	(1)	Tennessee	1

Pt 26 920 35%

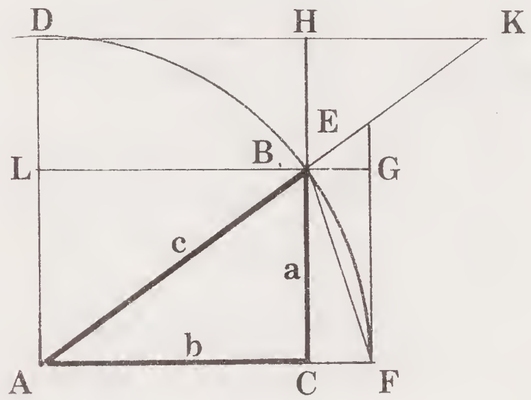
Yellowthroat	1	x Viol Trogon	(1)
LBFL	1	x Coll Trogon	(1)
N Waterthr	(1)	M. Blackbird	(1)
x Pt Crested	(1)	x Lu Bill Hermit	(1)
GT Grackle	(1)	Wilsons	1
Mourning	1	Yellow A	1
[illegible]	(1)	AT Thrush	(1)
BT Solt	(1)		

FUNCIONES TRIGONOMETRICAS

Sea el ángulo BAC (Fig. 1) = A = arco BF, y el radio AB = AF = AD = 1.

Entonces:

sen	A = BC
cos	A = AC
tg	A = FE
cot	A = DK
sec	A = AE
cosec	A = AK
senver	A = CF
cosvers	A = LD
exsec	A = BE
coexsec	A = BK
cuerda	A = BF



(En el triángulo recto) ABC (Fig. 1), sea el ángulo BAC = A, ABC y ACB = C = 90°. Haga el lado BC = a, AC = B y AB = c.

Entonces tenemos que:

1.-sen $A = \frac{a}{c} = \cos B$

2.-sen $B = \frac{b}{c} = \cos A$

3.-tg $A = \frac{a}{b} = \cot B$

4.-tg $B = \frac{b}{a} = \cot A$

5.-sec $A = \frac{c}{b} = \operatorname{cosec} B$

6.-sec $B = \frac{c}{a} = \operatorname{cosec} A$

7.-senver $A = \frac{c-b}{c} = \operatorname{cosver} B$

8.-senver $B = \frac{c-a}{c} = \operatorname{cosver} A$

9.-exsec $A = \frac{c-b}{b} = \operatorname{coexsec} B$

10.-exsec $B = \frac{c-a}{a} = \operatorname{coexsec} A$

11.- $a = c \operatorname{sen} A = c \cos B$

$= b \operatorname{tg} A = b \cot B$

$= \sqrt{c^2 - b^2}$

$= \sqrt{(c + b)(c - b)}$

12.- $b = c \cos A = c \operatorname{sen} B$

$= a \cot A = a \operatorname{tg} B$

$= \sqrt{(c + a)(c - a)}$

13.- $c = \frac{a}{\operatorname{sen} A} = \frac{a}{\cos B}$

$= \frac{b}{\cos A} = \frac{b}{\operatorname{sen} B}$

$= \sqrt{a^2 + b^2}$

14. $\operatorname{sen} A = \frac{1}{\operatorname{cosec} A} = \operatorname{tg}A\cos A$; $\therefore \cos A = \frac{1}{\sec A} = \cot A \operatorname{sen} A$

15. $\operatorname{tg} A = \frac{\operatorname{sen} A}{\cos A} = \frac{1}{\cot A}$; $\therefore \cot A = \frac{\cos A}{\operatorname{sen} A} = \frac{1}{\operatorname{tg} A}$

16. $\operatorname{senver} A = 1 - \cos A = \operatorname{sen} A \operatorname{tg} \frac{1}{2} A = 2\operatorname{sen}^2(\frac{1}{2} A)$

17. $\sec A = \frac{1}{\cos A} = \sqrt{1 + \operatorname{tg}^2 A}$; $\therefore \operatorname{cosec} A = \frac{1}{\operatorname{sen} A} = \sqrt{1 + \cot^2 A}$

18. $\operatorname{exsec} A = \sec A - 1 = \operatorname{tg} A \operatorname{tg} \frac{1}{2} A = \frac{\operatorname{senver} A}{\cos A}$

FORMULAS DE LA CURVA

Caso 1. Cuando D representa el ángulo correspondiente a una cuerda de 20 m.

19. $R = \frac{10}{\operatorname{sen}(D/2)}$; $\therefore \operatorname{sen}(D/2) = \frac{10}{R}$

Caso 2. Cuando D representa el ángulo correspondiente a dos cuerdas consecutivas de 10 m cada una.

20. $R = \frac{5}{\operatorname{sen}(D/4)}$; $\therefore \operatorname{sen}(D/4) = \frac{5}{R}$

21. Longitud de la curva $L = 20\frac{I}{D}$ (para R»100 mts)

22. Angulo intersectado $I = \frac{DL}{20}$

23. Grado de la curva $D = 20\frac{I}{L}$

24. Tamaño de la tangente $T = R\operatorname{tg}(I/2)$

25. Cuerda del arco $C = 2R\operatorname{sen}(I/2)$

26. Ordenada media $M = R\operatorname{senver}(I/2)$

27. Externa $E = R\operatorname{exsec}(I/2)$

28. Radio $R = T\cot(I/2)$

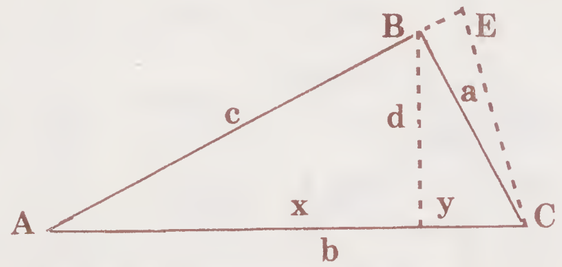
29. Tangente a la curva de 1 grado = 1145.9 tg(I/2)

30. Externa a la curva de 1 grado = 1145.9 exsec(I/2)
= T tg(I/4) = aa45.9 tg(I/4)tg(I/2)

SOLUCION DE TRIANGULOS OBLICUOS

Para evitar confusión de símbolos; "A" y "a" representan el ángulo más pequeño y su lado opuesto respectivamente. "B" y "b" los mayores, dejando a "C" y "c" para representar a los intermedios. Sin embargo, este orden no siempre puede ser observado con las fórmulas 34 y 35.

Fig. 2



	DADO	PEDIDO	FORMULAS
31	Dos Ang's	3er Ang.	3er Ang. = 180 - (Suma de los dos ang. **dados**)
32	A, B, a	b	$b = \frac{a}{\text{sen } A} \text{ sen } B; \quad \therefore \quad c = \frac{a}{\text{sen } A} \text{ sen } C$
	B, C, b	c	$c = \frac{b}{\text{sen } B} \text{ sen } C; \quad \therefore \quad a = \frac{b}{\text{sen } B} \text{ sen } A$
	C, A, c	a	$a = \frac{c}{\text{sen } C} \text{ sen } A; \quad \therefore \quad b = \frac{c}{\text{sen } C} \text{ sen } B$
33	a, b, c	A, C	Considere el lado más largo "b" dividido por la normal "d" en dos segmentos "x" e "y". Si "d" parte de "B" se tiene la siguiente proporción: $\frac{b}{c+a} = \frac{c-a}{x-y}$ $\therefore x - y = \frac{(c+a)(c-a)}{b}$ $\therefore \cos A = \frac{x}{c} \quad \cos C = \frac{y}{a}$ $\cos A = \frac{b^2 + c^2 - a^2}{2bc} \quad \cos C = \frac{b^2 + a^2 - c^2}{2ab}$
34	a, B, c	$\frac{C-A}{2}$	$\text{tg } \frac{C-A}{2} = \frac{c-a}{c+a} \text{ tg } \frac{C+A}{2}$
	A, b, c	C, a	$c \cos A = x; \quad b - x = y; \quad c \text{ sen} A = d$ $\therefore \text{tg } C = \frac{d}{y}; \quad a = \frac{C}{\text{sen } C}$
35	a, b, A	B, c	$\text{sen } B = \frac{b \text{ sen} A}{a}; \quad c = \frac{a \text{ sen } C}{\text{sen } A}$

Recuerde: Un ángulo y su suplemento tienen el mismo seno. Como B y E Fig. 2

Grados por cadena de 20 m. D.	Radio de la curva R.	Logaritmo del radio Log. R.	Deflexión por metro d. m.	D.	R.	Log. R.	d. m.
				2° 0	572.99	2. 7581 45	3.00
				2	563.59	7509 67	3.05
				4	554.51	7439 06	3.10
				6	545.70	7369 58	3.15
				8	537.18	7301 19	3.20
0° 10	6875.5	3. 8373 04	0.25	10	528.92	7233 86	3.25
12	5729.6	7581 23	0.30	12	520.90	7167 57	3.30
14	4911.1	6911 76	0.35	14	513.13	7102 27	3.35
16	4297.2	6331 84	0.40	16	505.58	7037 93	3.40
18	3819.7	5820 32	0.45	18	498.26	6974 54	3.45
20	3437.8	5362 74	0.50	20	491.14	6912 06	3.50
22	3125.2	4948 82	0.55	22	484.22	6850 46	3.55
24	2864.8	4570 94	0.60	24	477.50	6789 73	3.60
26	2644.4	4223 32	0.65	26	470.96	6729 84	3.65
28	2455.5	3901 47	0.70	28	464.60	6670 76	3.70
30	2291.8	3601 84	0.75	30	458.40	6612 47	3.75
32	2148.6	3321 55	0.80	32	452.37	6554 96	3.80
34	2022.2	3058 27	0.85	34	446.50	6498 19	3.85
36	1909.9	2810 03	0.90	36	440.78	6442 17	3.90
38	1809.3	2575 23	0.95	38	435.20	6386 85	3.95
40	1718.9	2352 46	1.00	40	429.76	6332 23	4.00
42	1637.0	2140 57	1.05	42	424.45	6278 29	4.05
44	1562.6	1938 54	1.10	44	419.28	6225 01	4.10
46	1494.7	1745 49	1.15	46	414.23	6172 38	4.15
48	1432.4	1560 66	1.20	48	409.30	6120 38	4.20
50	1371.1	1383 38	1.25	50	404.48	6068 99	4.25
52	1322.2	1213 05	1.30	52	399.78	6018 21	4.30
54	1273.3	1049 15	1.35	54	395.19	5968 01	4.35
56	1227.8	0891 21	1.40	56	390.70	5918 39	4.40
58	1185.4	0738 81	1.45	58	386.31	5869 32	4.45
1° 0	1145.9	0591 58	1.50	3° 0'	382.02	5820 81	4.50
2	1109.0	0449 18	1.55	2	377.82	5772 83	4.55
4	1074.3	0311 30	1.60	4	373.71	5725 38	4.60
6	1041.8	0177 67	1.65	6	369.70	5678 44	4.65
8	1011.1	0048 02	1.70	8	365.76	5632 00	4.70
10	982.23	2. 9922 13	1.75	10	361.91	5586 06	4.75
12	954.95	9799 79	1.80	12	358.15	5540 59	4.80
14	929.14	9680 81	1.85	14	354.45	5495 60	4.85
16	904.69	9564 99	1.90	16	350.84	5451 07	4.90
18	881.49	9452 19	1.95	18	347.30	5406 99	4.95
20	859.46	9342 24	2.00	20	343.82	5363 35	5.00
22	838.49	9235 00	2.05	22	340.42	5320 15	5.05
24	818.53	9130 35	2.10	24	337.08	5277 37	5.10
26	799.50	9028 17	2.15	26	333.81	5235 02	5.15
28	781.33	8928 33	2.20	28	330.60	5193 07	5.20
30	763.97	8830 74	2.25	30	327.46	5151 52	5.25
32	747.36	8735 29	2.30	32	324.37	5110 37	5.30
34	731.46	8641 90	2.35	34	321.34	5069 60	5.35
36	716.22	8550 47	2.40	36	318.36	5029 22	5.40
38	701.60	8460 93	2.45	38	315.44	4989 20	5.45
40	687.57	8373 19	2.50	40	312.58	4949 55	5.50
42	674.09	8287 20	2.55	42	309.76	4910 26	5.55
44	661.13	8202 87	2.60	44	307.00	4871 33	5.60
46	648.66	8120 15	2.65	46	304.28	4832 74	5.65
48	636.65	8038 98	2.70	48	301.61	4794 49	5.70
50	625.07	7959 30	2.75	50	298.99	4756 57	5.75
52	613.91	7881 05	2.80	52	296.41	4718 98	5.80
54	603.14	7804 19	2.85	54	293.88	4681 72	5.85
56	592.74	7228 66	2.90	56	291.39	4644 77	5.90
58	582.70	7654 43	2.95	58	288.94	4608 14	5.95

TABLA II — Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
4° 0'	286.54	2. 4571 81	6.00'	6° 0'	191.07	2. 2812 00	9.00'
2	284.17	4535 78	6.05	2	190.02	2787 96	9.05
4	281.84	4500 05	6.10	4	188.98	2764 05	9.10
6	279.55	4464 61	6.15	6	187.94	2740 28	9.15
8	277.30	4429 46	6.20	8	186.92	2716 63	9.20
10	275.08	4394 60	6.25	10	185.91	2693 12	9.25
12	272.90	4360 01	6.30	12	184.92	2669 73	9.30
14	270.75	4325 69	6.35	14	183.93	2646 46	9.35
16	268.64	4291 64	6.40	16	182.95	2623 33	9.40
18	266.55	4257 86	6.45	18	181.98	2600 31	9.45
20	264.51	4224 34	6.50	20	181.03	2577 41	9.50
22	262.49	4191 08	6.55	22	180.08	2554 64	9.55
24	260.50	4158 07	6.60	24	179.14	2531 98	9.60
26	258.54	4125 31	6.65	26	178.22	2509 45	9.65
28	256.61	4092 79	6.70	28	177.30	2487 03	9.70
30	254.71	4060 52	6.75	30	176.39	2464 72	9.75
32	252.84	4028 48	6.80	32	175.49	2442 53	9.80
34	251.00	3996 68	6.85	34	174.60	2420 45	9.85
36	249.18	3965 11	6.90	36	173.72	2398 49	9.90
38	247.39	3933 77	6.95	38	172.85	2376 63	9.95
40	245.62	3902 66	7.00	40	171.98	2354 89	10.00
42	243.88	3871 77	7.05	42	171.13	2333 25	10.05
44	242.16	3841 09	7.10	44	170.28	2311 72	10.10
46	240.47	3810 63	7.15	46	169.45	2290 30	10.15
48	238.80	3780 38	7.20	48	168.62	2268 99	10.20
50	237.16	3750 35	7.25	50	167.79	2247 77	10 25
52	235.53	3720 52	7.30	52	166.98	2226 67	10.30
54	233.93	3690 89	7.35	54	166.18	2205 66	10.35
56	232.35	3661 46	7.40	56	165.38	2184 76	10.40
58	230.70	3632 24	7.45	58	164.59	2163 95	10.45
5° 0'	229.26	3603 20	7.50	7° 0'	163.80	2143 25	10.50
2	227.74	3574 37	7.55	2	163.03	2122 64	10.55
4	226.24	3545 72	7.60	4	162 26	2102 13	10.60
6	224.76	3517 26	7.65	6	161.50	2081 72	10.65
8	223.30	3488 98	7.70	8	160.75	2061 41	10.70
10	221.87	3460 89	7.75	10	160.00	2041 19	10.75
12	220.44	3432 98	7.80	12	159.26	2021 06	10.80
14	219.04	3405 25	7.85	14	158.53	2001 03	10.85
16	217.66	3377 70	7.90	16	157.80	1981 08	10.90
18	216.29	3350 32	7.95	18	157.08	1961 24	10.95
20	214.94	3323 11	8.00	20	156.37	1941 48	11.00
22	213.60	3296 07	8.05	22	155.66	1921 81	11.05
24	212.29	3269 20	8.10	24	154.96	1902 23	11.10
26	210.98	3242 49	8.15	26	154.27	1882 74	11.15
28	209.70	3215 95	8.20	28	153.58	1863 33	11.20
30	208.43	3189 57	8.25	30	152.90	1844 01	11.25
32	207.17	3163 35	8.30	32	152.22	1824 78	11.30
34	205.93	3137 28	8.35	34	151.55	1805 64	11.35
36	204.71	3111 37	8.40	36	150.89	1786 57	11.40
38	203.50	3085 62	8.45	38	150.23	1767 60	11.45
40	202.30	3060 02	8.50	40	149.58	1748 70	11.50
42	201.12	3034 57	8.55	42	148.93	1729 89	11.55
44	199.95	3009 27	8.60	44	148.29	1711 16	11.60
46	198.80	2984 11	8.65	46	147.66	1692 51	11.65
48	197.66	2959 10	8.70	48	147.03	1673 93	11.70
50	196.53	2934 23	8.75	50	146.40	1655.44	11.75
52	195.41	2909 51	8.80	52	145.78	1637 03	11.80
54	194.31	2884 93	8.85	54	145.17	1618 70	11.85
56	193.22	2860 48	8.90	56	144.56	1600 44	11.90
58	192.14	2836 17	8.95	58	143 95	1582 26	11.95

TABLA II — Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
8° 0'	143.36	2. 1564 15	12.00	10° 0'	114.74	2. 0597 04	15.00
2	142.76	1546 13	12.05	2	114.36	0582 62	15.05
4	142.17	1528 17	12.10	4	113.98	0568 26	15.10
6	141.59	1510 29	12.15	6	113.60	0553 94	15.15
8	141.01	1492 49	12.20	8	113.23	0539 67	15.20
10	140.44	1474 75	12.25	10	112.86	0525 44	15.25
12	139.87	1457 09	12.30	12	112.49	0511 26	15.30
14	139.30	1439 51	12.35	14	112.13	0497 13	15.35
16	138.74	1421 99	12.40	16	111.76	0483.04	15.40
18	138.18	1404 54	12.45	18	111.40	0469 00	15.45
20	137.63	1387 17	12.50	20	111.05	0455 01	15.50
22	137.08	1369 86	12.55	22	110.69	0441 06	15.55
24	136.54	1352 62	12.60	24	110.34	0427 16	15.60
26	136.00	1335 45	12.65	26	109.98	0413 30	15.65
28	135.47	1318 35	12.70	28	109.63	0399 48	15.70
30	134.94	1301 32	12.75	30	109.29	0385 71	15.75
32	134.41	1284 35	12.80	32	108.94	0371 99	15.80
34	133.89	1267 45	12.85	34	108.60	0358 30	15.85
36	133.37	1250 62	12.90	36	108.26	0344 66	15.90
38	132.86	1233 85	12.95	38	107.92	0331 07	15.95
40	132.35	1217 15	13.00	40	107.58	0317 51	16.00
42	131.84	1200 51	13.05	42	107.25	0304 00	16.05
44	131.34	1183 93	13.10	44	106.92	0290 53	16.10
46	130.84	1167 42	13.15	46	106.59	0277 11	16.15
48	130.35	1150 97	13.20	48	106.26	0263 72	16.20
50	129.85	1134.58	13.25	50	105.93	0250 38	16.25
52	129.37	1118 26	13.30	52	105.61	0237 07	16.30
54	128.88	1101 99	13.35	54	105.29	0223 81	16.35
56	128.40	1085 79	13.40	56	104.97	0210 59	16.40
58	127.93	1069 65	13.45	58	104.65	0197 41	16.45
9° 0'	127.45	1053 57	13.50	11° 0'	104.33	0184 27	16.50
2	126.99	1037 54	13.55	2	104.02	0171 17	16.55
4	126.52	1021 58	13.60	4	103.71	0158 11	16.60
6	126.06	1005 68	13.65	6	103.40	0145 09	16.65
8	125.60	0989 83	13.70	8	103.09	0132 11	16.70
10	125.14	0974 04	13.75	10	102.78	0119 17	16.75
12	124.69	0958 31	13.80	12	102.48	0106 26	16.80
14	124.24	0942 64	13.85	14	102.17	0093 40	16.85
16	123.79	0927 03	13.90	16	101.87	0080 57	16.90
18	123.35	0911 47	13.95	18	101.57	0067 78	16.95
20	122.91	0895 96	14.00	20	101.28	0055 03	17.00
22	122.48	0890 51	14.05	22	100.98	0042 32	17.05
24	122.04	0865 12	14.10	24	100.68	0029 64	17.10
26	121.61	0849 78	14.15	26	100.39	0017 01	17.15
28	121.19	0834 50	14.20	28	100.10	0004 40	17.20
30	120.76	0819 27	14.25	30	99.69	1. 9986 37	17.25
32	120.34	0804 09	14.30	32	99.40	9973 81	17.30
34	119.92	0788 97	14.35	34	99.11	9961 29	17.35
36	119.51	0773 90	14.40	36	98.83	9948 80	17.40
38	119.09	0758 88	14.45	38	98.55	9936 35	17.45
40	118.68	0743 91	14.50	40	98.26	9923 93	17.50
42	118.28	0729 00	14.55	42	97.98	9911 55	17.55
44	117.87	0714 13	14.60	44	97.71	9899 21	17.60
46	117.47	0699 32	14.65	46	97.43	9886 90	17.65
48	117.07	0684 56	14.70	48	97.15	9874 63	17.70
50	116.68	0669 85	14.75	50	96.88	9862 38	17.75
52	116.28	0655 19	14.80	52	96.61	9850 18	17.80
54	115.89	0640 58	14.85	54	96.34	9838 01	17.85
56	115.51	0626 02	14.90	56	96.07	9825 87	17.90
58	115.12	0611 50	14.95	58	95.80	9813 77	17.95

* Curvas de menos de 100 m de radio deben localizarse por medias cadenas o cuerdas de 10 m

TABLA II — Radios de las curvas métricas

D.	R.	Log. R.	d. m.	D.	R.	Log. R.	d. m.
12° 0'	95.54	1. 9801 70	18.00'	14° 0'	81.90	1. 9132 95	21.00
2	95.27	9789 66	18.05	10	80.94	9081 62	21.25
4	95.01	9777 66	18.10	20	80.00	9030 89	21.50
6	94.75	9765 69	18.15	30	79.08	8980 74	21.75
8	94.49	9753 75	18.20	40	78.18	8931 18	22.00
10	94.23	9741 85	18.25	50	77.31	8882 17	22.25
12	93.97	9729 98	18.30	15° 0'	76.45	8833 71	22.50
14	93.72	9718 14	18.35	10	75.61	8785 80	22.75
16	93.46	9706 33	18.40	20	74.79	8738 40	23.00
18	93.21	9694 56	18.45	30	73.99	8691 52	23.25
				40	73.20	8645 14	23.50
20	92.96	9682 82	18.50	50	72.43	8599 26	23.75
22	92.71	9671 11	18.55				
24	92.46	9659 43	18.60	16° 0'	71.68	8553 85	24.00
24	92.21	9647 78	18.65	10	70.94	8508 92	24.25
28	91.96	9636 16	18.70	20	70.22	8464 45	24.50
30	91.72	9624 58	18.75	30	69.51	8420 44	24.75
32	91.47	9613 03	18.80	40	68.82	8376 87	25.00
34	91.23	9601 50	18.85	50	68.14	8333 73	25.25
36	90.99	9590 01	18.90	17° 0'	67.47	8291 02	25.50
38	90.75	9578 55	18.95	10	66.81	8248 73	25.75
				20	66.17	8206 85	26.00
40	90.51	9567 11	19.00	30	65.54	8165 37	26.25
42	90.28	9555 71	19.05	40	64.93	8124 28	26.50
44	90.04	9544 34	19.10	50	64.32	8083 58	26.75
46	89.80	9533 00	19.15				
48	89.57	9521 68	19.20	18° 0'	63.73	8043 27	27.00
50	89.34	9510 40	19.25	10	63.14	8003 32	27.25
52	89.11	9499 15	19.30	20	62.57	7963 74	27.50
54	88.88	9487 92	19.35	30	62.01	7924 53	27.75
56	88.65	9476 73	19.40	40	61.46	7885 66	28.00
58	88.42	9465 56	19.45	50	60.91	7847 14	28.25
				19° 0'	60.38	7808 97	28.50
13° 0'	88.19	9454 42	19.50	10	59.86	7771 12	28.75
2	87.97	9443 31	19.55	20	59.34	7733 61	29.00
4	87.75	9432 23	19.60	30	58.84	7696 42	29.25
6	87.52	9421 18	19.65	40	58.34	7659 55	29.50
8	87.30	9410 15	19.70	50	57.85	7622 99	29.75
10	87.08	9399 16	19.75				
12	86.86	93 88 19	19.80	20° 0'	57.37	7586 74	30.00
14	86.64	9377 25	19.85	10	56.90	7550 79	30.25
16	86.42	9366 33	19.90	20	56.43	7515 14	30.50
18	86.21	9355 45	19.95	30	55.97	7479 78	30.75
				40	55.52	7444 71	31.00
20	85.99	9344 59	20.00	50	55.08	7409 92	31.25
22	85.78	9333 76	20.05	21° 0'	54.64	7375 41	31.50
24	85.56	9322 95	20.10	10	54.21	7341 18	31.75
26	85.35	9312 18	20.15	20	53.79	7307 21	32.00
28	85.14	9301 42	20.20	30	53.38	7278 51	32.25
30	84.93	9290 70	20.25	40	52.97	7240 08	32.50
32	84.72	9280 00	20.30	50	52.56	7206 90	32.75
34	84.51	9269 33	20.35	22° 0'	52.17	7173 97	33.00
36	84.31	9258 69	20.40	10	51.78	7141 30	33.25
38	84.10	9248 07	20.45	20	51.39	7108 87	33.50
40	83.90	9237 47	20.50	30	51.01	7076 68	33.75
42	83.69	9226 91	20.55	40	50.64	7044 73	34.00
44	83.49	9216 37	20.60	50	50.27	7013 02	34.25
46	83.29	9205 85	20.65	23° 0'	49.91	6981 54	34.50
48	83.09	9195 36	20.70	10	49.55	6950 29	34.75
50	82.89	9184 89	20.75	20	49.20	6919 26	35.00
52	82.69	9174 46	20.80	30	48.85	6888 46	35.25
54	82.49	9164 04	20.85	40	48.51	6857 88	35.50
56	82.29	9153 65	20.90	50	48.17	6827 51	35.75
58	82.10	9143 29	20.95	24° 0'	47.83	6797 35	36.00

* Curvas de menos de 100 m de radio deben localizarse por medias cadenas o cuerdas de 10 m

TABLA III — Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
1°	10.00	.044	11°	110.3	5.30	21°	212.4	19.52
10	11.67	.059	10'	112.0	5.46	10'	214.1	19.83
20	13.33	.078	20	113.7	5.63	20	215.8	20.15
30	15.00	.098	30	115.4	5.79	30	217.6	20.47
40	16.67	.121	40	117.1	5.96	40	219.3	20.79
50	18.34	.147	50	118.8	6.14	50	221.0	21.12
2	20.00	.175	12	120.4	6.31	22	222.7	21.45
10	21.67	.205	10	122.1	6.49	10	224.5	21.78
20	23.34	.238	20	123.8	6.67	20	226.2	22.11
30	25.00	.273	30	125.5	6.85	30	227.9	22.45
40	26.67	.310	40	127.2	7.04	40	229.7	22.79
50	28.34	.350	50	128.9	7.22	50	231.4	23.13
3	30.01	.393	13	130.6	7.41	23	233.1	23.48
10	31.68	.438	10	132.2	7.61	10	234.9	23.82
20	33.34	.485	20	133.9	7.80	20	236.6	24.17
30	35.01	.535	30	135.6	8.00	30	238.4	24.53
40	36.68	.587	40	137.3	8.20	40	240.1	24.88
50	38.35	.641	50	139.0	8.40	50	241.8	25.24
4	40.02	.698	14	140.7	8.61	24	243.6	25.60
10	41.69	.758	10	142.4	8.81	10	245.3	25.96
20	43.35	.820	20	144.1	9.02	20	247.1	26.33
30	45.02	.884	30	145.8	9.23	30	248.8	26.70
40	46.69	.951	40	147.5	9.45	40	250.6	27.07
50	48.36	1.02	50	149.2	9.67	50	252.3	27.45
5	50.03	1.09	15	150.9	8.89	25	254.0	27.82
10	51.70	1.17	10	152.6	10.11	10	255.8	28.20
20	53.37	1.24	20	154.3	10.34	20	257.5	28.59
30	55.04	1.32	30	155.9	10.56	30	259.3	28.97
40	56.71	1.40	40	157.6	10.79	40	261.1	29.36
50	58.38	1.49	50	159.3	11.03	50	262.8	29.75
6	60.06	1.57	16	161.0	11.26	26	264.6	30.14
10	61.73	1.66	10	162.7	11.50	10	266.3	30.54
20	63.40	1.75	20	164.4	11.74	20	268.1	30.94
30	65.07	1.85	30	166.1	11.98	30	269.8	31.34
40	66.74	1.94	40	167.8	12.23	40	271.6	31.74
50	68.42	2.04	50	169.6	12.48	50	273.4	32.15
7	70.09	2.14	17	171.3	12.73	27	275.1	32.56
10	71.76	2.24	10	173.0	12.98	10	276.9	32.97
20	73.43	2.35	20	174.7	13.24	20	278.6	33.39
30	75.11	2.46	30	176.4	13.49	30	280.4	33.81
40	76.78	2.57	40	178.1	13.75	40	282.2	34.23
50	78.46	2.68	50	179.8	14.02	50	283.9	34.65
8	80.13	2.80	18	181.5	14.28	28	285.7	35.08
10	81.81	2.92	10	183.2	14.55	10	287.5	35.51
20	83.48	3.04	20	184.9	14.82	20	289.3	35.94
30	85.16	3.16	30	186.6	15.10	30	291.0	36.38
40	86.83	3.29	40	188.3	15.37	40	292.8	36.82
50	88.51	3.41	50	190.0	15.65	50	294.6	37.26
9	90.19	3.54	19	191.8	15.93	29	296.4	37.70
10	91.86	3.68	10	193.5	16.22	10	298.1	38.15
20	93.54	3.81	20	195.2	16.50	20	299.9	38.60
30	95.22	3.95	30	196.9	16.79	30	301.7	39.05
40	96.90	4.09	40	198.6	17.09	40	303.5	39.51
50	98.58	4.23	50	200.3	17.38	50	305.3	39.96
10	100.3	4.38	20	202.1	17.68	30	307.1	40.42
10	101.9	4.52	10	203.8	17.98	10	308.8	40.89
20	103.6	4.67	20	205.5	18.28	20	310.6	41.35
30	105.3	4.83	30	207.2	18.58	30	312.4	41.82
40	107.0	4.98	40	208.9	18.89	40	314.2	42.30
50	108.7	5.14	50	210.7	19.20	50	316.0	42.77

TABLA III — Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
31°	317.8	43.25	41°	428.4	77.48	51°	546.6	123.7
10'	319.6	43.73	10'	430.3	78.14	10'	548.6	124.6
20	321.4	44.22	20	432.2	78.80	20	550.7	125.4
30	323.2	44.70	30	434.2	79.49	30	552.7	126.3
40	325.0	45.19	40	436.1	80.16	40	554.8	127.2
50	326.8	45.68	50	438.0	80.84	50	556.8	128.1
32	328.6	46.18	42	439.9	81.53	52	558.9	129.0
10	330.4	46.68	10	411.8	82.21	10	561.0	129.9
20	332.2	47.18	20	443.7	82.90	20	563.0	130.8
30	334.0	47.69	30	445.6	83.60	30	565.1	131.8
40	335.8	48.19	40	447.5	84.30	40	567.2	132.7
50	337.6	48.70	50	449.5	85.00	50	569.3	133.6
33	339.4	49.22	43	451.4	85.70	53	571.3	134.5
10	341.3	49.73	10	453.3	86.11	10	573.4	135.5
20	343.1	50.25	20	455.2	87.12	20	575.5	136.4
30	344.9	50.77	30	457.2	87.83	30	577.6	137.3
40	346.7	51.30	40	459.1	88.55	40	579.7	138.3
50	348.5	51.83	50	461.0	89.27	50	581.8	139.2
34	350.3	52.36	44	463.0	90.00	54	583.9	140.2
10	352.2	52.89	10	464.9	90.72	10	586.0	141.1
20	354.0	53.43	20	466.9	91.45	20	588.1	142.1
30	355.8	53.97	30	468.8	92.19	30	590.2	143.1
40	357.6	54.52	40	470.8	92.93	40	592.3	144.0
50	359.5	55.06	50	472.7	93.67	50	594.4	145.0
35	361.3	55.61	45	474.7	94.42	55	596.5	146.0
10	363.1	56.16	10	476.6	95.16	10	598.7	146.9
20	365.0	56.72	20	478.6	95.92	20	600.8	147.9
30	366.8	57.28	30	480.5	96.67	30	602.9	148.9
40	368.7	57.84	40	482.5	97.43	10	605.0	149.9
50	370.5	58.40	50	484.5	98.20	50	607.2	150.9
36	372.3	58.97	46	486.4	98.96	56	609.3	151.9
10	374.2	59.54	10	488.4	99.73	10	611.4	152.9
20	376.0	60.12	20	490.4	100.5	20	613.6	153.9
30	377.9	60.69	30	492.3	101.3	30	615.7	154.9
40	379.7	61.27	40	494.3	102.1	40	617.9	156.0
50	381.6	61.86	50	496.3	102.8	50	620.0	157.0
37	383.4	62.44	47	498.3	103.6	57	622.2	158.0
10	385.3	63.03	10	500.2	104.4	10	624.3	159.0
20	387.1	63.63	20	502.2	105.2	20	626.5	160.1
30	389.0	64.22	30	504.2	106.0	30	628.7	161.1
40	390.9	64.82	40	506.2	106.8	40	630.8	162.2
50	392.7	65.42	50	508.2	107.6	50	633.0	163.2
38	394.6	66.03	48	510.2	108.4	58	635.2	164.3
10	396.4	66.64	10	512.2	109.3	10	637.4	165.3
20	398.3	67.25	20	514.2	110.1	20	639.6	166.4
30	400.2	67.86	30	516.2	110.9	30	641.8	167.5
40	402.0	68.48	40	518.2	111.7	40	643.9	168.5
50	403.9	69.10	50	520.2	112.5	50	646.1	169.6
39	405.8	69.73	49	522.2	113.4	59	648.3	170.7
10	407.7	70.36	10	524.2	114.2	10	650.5	171.8
20	409.6	70.99	20	526.3	115.1	20	652.7	172.9
30	411.4	71.62	30	528.3	115.9	30	655.0	174.0
40	413.3	72.26	40	530.3	116.8	40	657.2	175.1
50	415.2	72.90	50	532.3	117.6	50	659.4	176.2
40	417.1	73.54	50	534.4	118.5	60	661.6	177.3
10	419.0	74.19	10	536.4	119.3	10	663.8	178.4
20	420.9	74.84	20	538.4	120.2	20	666.1	179.5
30	422.8	75.49	30	540.5	121.0	30	668.3	180.6
40	424.7	76.15	40	542.5	121.9	40	670.5	181.8
50	426.5	76.81	50	544.5	122.8	50	672.8	182.9

TABLA III — Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
61°	675.0	184.0	71°	817.4	261.6	81°	978.7	361.1
10'	677.3	185.2	10'	819.9	263.1	10'	981.6	362.9
20	679.5	186.3	20	822.4	264.6	20	984.5	364.8
30	681.8	187.5	30	825.0	266.1	30	987.4	366.7
40	684.0	188.6	40	827.5	267.5	40	990.3	368.6
50	686.3	189.8	50	830.0	269.0	50	993.5	370.5
62	688.5	190.9	72	832.6	270.5	82	996.1	372.4
10	690.8	192.1	10	835.1	272.0	10	999.1	374.4
20	693.1	193.3	20	837.7	273.5	20	1002.0	376.3
30	695.4	194.5	30	840.2	275.0	30	1005.0	378.2
40	697.7	195.7	40	842.8	276.6	40	1007.9	380.2
50	699.9	196.9	50	845.4	278.1	50	1010.9	382.1
63	702.2	198.0	73	847.9	279.6	83	1013.8	384.1
10	704.5	199.3	10	850.5	281.1	10	1016.8	386.1
20	706.8	200.5	20	853.1	282.7	20	1019.8	388.1
30	709.1	201.7	30	855.7	284.2	30	1022.8	390.1
40	711.4	202.9	40	858.3	285.8	40	1025.8	392.0
50	713.7	204.1	50	860.9	287.4	50	1028.8	394.1
64	716.1	205.3	74	863.5	288.9	84	1031.8	396.1
10	718.4	206.6	10	866.1	290.5	10	1034.8	398.1
20	720.7	207.8	20	868.8	292.1	20	1037.9	400.1
30	723.0	209.0	30	871.4	293.7	30	1040.9	402.2
40	725.4	210.3	40	874.0	295.3	40	1043.9	404.2
50	727.7	211.5	50	876.7	296.9	50	1047.0	406.3
65	730.0	212.8	75	879.3	298.5	85	1050.1	408.3
10	732.4	214.0	10	882.0	300.1	10	1053.1	410.4
20	734.7	215.3	20	884.6	301.7	20	1056.2	412.5
30	737.1	216.6	30	887.3	303.3	30	1059.3	414.6
40	739.4	217.9	40	889.9	305.0	40	1062.4	416.7
50	741.8	219.1	50	892.6	306.6	50	1065.5	418.8
66	744.2	220.4	76	895.3	308.3	86	1068.6	420.9
10	746.5	221.7	10	898.0	309.9	10	1071.7	423.1
20	748.9	223.0	20	900.7	311.6	20	1074.8	425.2
30	751.3	224.3	30	903.4	313.3	30	1078.0	427.3
40	753.7	225.6	40	906.1	314.9	40	1081.1	429.5
50	756.1	227.0	50	908.8	317.6	50	1084.3	431.7
67	758.5	228.3	77	911.5	318.3	87	1087.4	433.8
10	760.9	229.6	10	914.2	320.0	10	1090.6	436.0
20	763.3	230.9	20	917.0	321.7	20	1093.8	438.2
30	765.7	232.3	30	919.7	323.4	30	1097.0	440.4
40	768.1	233.6	40	922.4	325.1	40	1100.2	442.6
50	770.5	235.0	50	925.2	326.9	50	1103.4	444.9
68	772.9	236.3	78	928.0	328.6	88	1106.6	447.1
10	775.4	237.7	10	930.7	330.3	10	1109.8	449.3
20	777.8	239.0	20	933.5	332.1	20	1113.1	451.6
30	780.2	240.4	30	936.3	333.8	30	1116.3	453.9
40	782.7	241.8	40	939.0	335.6	40	1119.6	456.1
50	785.1	243.2	50	941.8	337.4	50	1123.8	453.4
69	787.6	244.5	79	944.6	339.2	89	1126.1	460.7
10	790.0	245.9	10	947.4	340.9	10	1129.4	463.0
20	792.5	247.3	20	950.2	342.7	20	1132.7	465.3
30	795.0	248.7	30	953.1	344.5	30	1136.0	467.6
40	797.4	250.2	40	955.9	346.3	40	1139.3	470.0
50	799.9	251.6	50	958.7	348.2	50	1142.6	472.3
70	802.4	253.0	80	961.5	350.0	90	1145.9	474.7
10	804.9	254.4	10	964.4	351.8	10	1149.3	477.0
20	807.4	255.9	20	967.2	353.6	20	1152.6	479.4
30	809.9	257.3	30	970.1	355.5	30	1156.0	481.8
40	812.4	258.7	40	973.0	357.3	40	1159.3	484.2
50	814.9	260.2	50	975.8	359.2	50	1162.7	486.6

TABLA III — Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulò	Tang.	Externa
91°	1166.1	489.0	101°	1390.1	655.6	111°	1667.3	877.2
10'	1169.5	491.4	10'	1394.3	658.8	10'	1672.5	881.5
20	1172.9	493.9	20	1398.4	662.0	20	1677.8	885.8
30	1176.3	496.3	30	1402.5	665.2	30	1683.0	890.2
40	1179.8	498.8	40	1406.7	668.5	40	1688.3	894.5
50	1183.2	501.2	50	1410.9	671.7	50	1693.6	898.9
92	1186.6	503.7	102	1415.1	675.0	112	1698.9	903.3
10	1190.1	506.2	10	1419.3	678.2	10	1704.3	907.8
20	1193.6	508.7	20	1423.6	681.5	20	1709.6	912.2
30	1197.1	511.2	30	1427.8	684.9	30	1715.0	916.7
40	1200.5	513.7	40	1432.1	688.2	40	1720.4	921.2
50	1204.0	516.3	50	1436.3	691.5	50	1725.9	925.7
93	1207.6	518.8	103	1440.6	694.9	113	1731.3	930.8
10	1211.1	521.4	10	1444.9	698.3	10	1736.8	934.8
20	1214.6	523.9	20	1449.3	701.6	20	1742.3	939.4
30	1218.2	526.5	30	1453.6	705.0	30	1747.8	944.1
40	1221.7	529.1	40	1458.0	708.5	40	1753.4	948.7
50	1225.3	531.7	50	1462.3	711.9	50	1759.0	953.4
94	1228.9	534.3	104	1466.7	715.4	114	1764.6	958.1
10	1232.4	536.9	10	1471.1	718.8	10	1770.2	962.8
20	1236.0	539.6	20	1475.6	722.3	20	1775.9	967.6
30	1239.7	542.2	30	1480.0	725.8	30	1781.5	972.3
40	1243.3	544.9	40	1484.4	729.4	40	1787.3	977.1
50	1246.9	547.6	50	1488.9	732.9	50	1793.0	982.0
95	1250.6	550.3	105	1493.4	736.5	115	1798.8	986.8
10	1254.2	553.0	10	1497.9	740.0	10	1804.5	991.7
20	1257.9	555.7	20	1502.4	743.6	20	1810.3	996.6
30	1261.6	558.4	30	1507.0	747.2	30	1816.2	1001.6
40	1265.3	561.1	40	1511.5	750.9	40	1822.1	1006.5
50	1269.0	563.9	50	1516.1	754.5	50	1828.0	1011.5
96	1272.7	566.6	106	1520.7	758.2	116	1833.9	1016.5
10	1276.4	569.4	10	1525.3	761.9	10	1839.8	1021.6
20	1280.1	572.2	20	1529.9	765.6	20	1845.8	1026.7
30	1283.9	575.0	30	1534.6	769.3	30	1851.8	1031.8
40	1287.7	577.8	40	1539.3	773.0	40	1857.8	1036.9
50	1291.5	580.6	50	1543.9	776.8	50	1863.9	1042.1
97	1295.2	583.5	107	1548.6	780.6	117	1870.0	1047.2
10	1299.0	586.3	10	1553.4	781.4	10	1876.1	1052.5
20	1302.9	589.2	20	1558.1	788.2	20	1882.3	1057.7
30	1306.7	592.1	30	1562.9	792.0	30	1888.4	1063.0
40	1310.5	594.9	40	1567.6	795.9	40	1894.6	1068.3
50	1314.4	597.8	50	1572.4	799.7	50	1900.9	1073.6
98	1318.2	600.8	108	1577.2	803.6	118	1907.1	1079.0
10	1322.1	603.7	10	1582.1	807.6	10	1913.4	1084.4
20	1326.0	606.6	20	1586.9	811.5	20	1919.8	1089.8
30	1329.9	609.6	30	1591.8	815.4	30	1926.1	1095.3
40	1333.8	612.6	40	1596.7	819.4	40	1932.5	1100.8
50	1337.8	615.5	50	1601.6	823.4	50	1938.9	1106.3
99	1341.7	618.5	109	1606.5	827.4	119	1945.4	1111.9
10	1345.7	621.5	10	1611.5	831.5	10	1951.9	1117.5
20	1349.6	624.6	20	1616.5	835.5	20	1958.4	1123.1
30	1353.6	627.6	30	1621.6	839.6	30	1965.0	1128.8
40	1357.6	630.7	40	1626.5	843.7	40	1971.5	1134.5
50	1361.6	633.7	50	1631.5	847.8	50	1978.2	1140.2
100	1365.7	636.8	110	1636.6	851.9	120	1984.8	1145.9
10	1369.7	639.9	10	1641.6	856.1	10	1991.5	1151.7
20	1373.8	643.0	20	1646.7	860.3	20	1998.2	1157.5
30	1377.8	646.2	30	1651.9	864.5	30	2005.0	1163.4
40	1381.9	649.3	40	1657.0	868.7	40	2011.8	1169.3
50	1386.0	652.5	50	1662.2	873.0	50	2018.6	1175.2

TABLA III — Tangentes y externas a curvas de grado 1

Angulo	Tang.	Externa	Angulo	Tang.	Externa	Angulo	Tang.	Externa
121°	2025.4	1181.2	125°	2201.3	1335.8	129°	2402.5	1515.9
10'	2032.3	1187.2	10'	2209.2	1342.7	10'	2411.5	1524.0
20	2039.2	1193.2	20	2217.0	1349.7	20	2420.6	1532.2
30	2046.2	1199.3	30	2225.0	1356.8	30	2429.7	1540.5
40	2053.2	1205.4	40	2232.9	1363.9	40	2438.9	1548.8
50	2060.2	1211.6	50	2241.0	1371.0	50	2448.2	1557.1
122	2067.3	1217.7	126	2249.0	1378.2	130	2457.5	1565.6
10	2074.4	1224.0	10	2257.1	1385.4	10	2466.8	1574.0
20	2081.6	1230.2	20	2265.3	1392.7	20	2476.2	1582.6
30	2088.8	1236.5	30	2273.5	1400.0	30	2485.7	1591.2
40	2096.0	1242.9	40	2281.7	1407.4	40	2495.3	1599.9
50	2103.2	1249.2	50	2290.0	1414.8	50	2504.9	1603.6
123	2110.5	1255.6	127	2298.4	1422.3	131	2514.5	1617.4
10	2117.9	1262.1	10	2306.8	1429.8	10	2524.2	1626.2
20	2125.3	1268.6	20	2315.2	1437.4	20	2434.0	1635.2
30	2132.7	1275.1	30	2323.7	1445.0	30	2543.9	1644.1
40	2140.1	1281.7	40	2332.3	1452.7	40	2553.8	1653.2
50	2147.6	1288.3	50	2340.9	1460.4	50	2563.8	1662.3
124	2155.2	1295.0	128	2349.5	1468.1	132	2573.8	1671.5
10	2162.8	1301.7	10	2358.2	1476.0	10	2583.9	1680.7
20	2170.4	1308.4	20	2367.0	1483.8	20	2594.1	1690.0
30	2178.1	1315.2	30	2375.8	1491.8	30	2604.3	1699.4
40	2185.8	1322.0	40	2384.6	1499.7	40	2614.6	1708.8
50	2193.5	1328.9	50	2393.5	1507.8	50	2625.0	1718.3

Correcciones para las Tangentes, añada

Angulo	3° Cur.	5° Cur.	7° Cur.	9° Cur.	11° Cur.	12° Cur.	14° Cur.	16° Cur.	18° Cur.	20° Cur.	22° Cur.	24° Cur.
10°	.00	.01	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01
20°	.01	.01	.02	.02	.03	.01	.01	.01	.01	.01	.01	.02
30°	.01	.02	.03	.03	.04	.01	.01	.02	.02	.02	.02	.02
40°	.01	.03	.04	.05	.06	.02	.02	.02	.02	.03	.03	.03
50°	.02	.03	.05	.06	.07	.02	.02	.03	.03	.03	.04	.04
60°	.02	.04	.06	.08	.09	.02	.03	.03	.04	.04	.05	.05
70°	.03	.05	.07	.09	.11	.03	.03	.04	.05	.05	.06	.06
80°	.03	.06	.08	.11	.13	.04	.04	.05	.05	.06	.07	.07
90°	.04	.07	.10	.13	.16	.04	.05	.06	.06	.07	.08	.09
100°	.05	.09	.12	.15	.19	.05	.06	.07	.08	.09	.10	.10
110°	.06	.10	.14	.19	.23	.06	.07	.08	.09	.10	.11	.12
120°	.07	.12	.17	.23	.28	.07	.09	.10	.11	.12	.14	.15
130°	.08	.15	.21	.28	.34	.09	.11	.12	.14	.15	.17	.19

Correcciones para Externas. Añada

Angulo	3° Cur.	5° Cur.	7° Cur.	9° Cur.	11° Cur.	12° Cur.	14° Cur.	16° Cur.	18° Cur.	20° Cur.	22° Cur.	24° Cur.
20°	.001	.001	.002	.002	.002	.001	.001	.001	.001	.001	.001	.001
30°	.001	.002	.004	.005	.006	.001	.002	.002	.002	.003	.003	.003
40°	.002	.004	.006	.008	.010	.003	.003	.004	.004	.005	.005	.006
50°	.004	.007	.010	.013	.016	.001	.005	.006	.007	.007	.008	.009
60°	.006	.011	.015	.020	.025	.006	.008	.009	.010	.011	.012	.013
70°	.01	.02	.02	.03	.04	.01	.01	.01	.01	.02	.02	.02
80°	.01	.02	.03	.04	.05	.01	.02	.02	.02	.02	.02	.03
90°	.02	.03	.04	.05	.07	.02	.02	.02	.03	.03	.03	.04
100°	.02	.04	.06	.07	.09	.02	.03	.03	.04	.04	.04	.05
110°	.03	.05	.07	.10	.12	.03	.04	.04	.05	.05	.06	.07
120°	.04	.07	.10	.13	.16	.04	.05	.06	.06	.07	.08	.09
130°	.05	.10	.14	.18	.22	.06	.07	.08	.09	.10	.11	.12

TABLA IV Cuerdas a un radio 1, para trazo de ángulos

Angulo	0'	10'	20'	30'	40'	50'	DIFERENCIAS 2' 4' 6' 8' 10'
0°	.0000	.0029	.0058	.0087	.0116	.0145	6 12 17 23 29
1°	.0175	.0204	.0233	.0262	.0291	.0320	
2°	.0349	.0378	.0407	.0436	.0465	.0494	
3°	.0524	.0553	.0582	.0611	.0640	.0669	
4°	.0698	.0727	.0756	.0785	.0814	.0843	
5°	.0872	.0901	.0931	.0960	.0989	.1018	
6°	.1047	.1076	.1105	.1134	.1163	.1192	
7°	.1221	.1250	.1279	.1308	.1337	.1366	
8°	.1395	.1424	.1453	.1482	.1511	.1540	
9°	.1569	.1598	.1627	.1656	.1685	.1714	
10°	.1743	.1772	.1801	.1830	.1859	.1888	
11°	.1917	.1946	.1975	.2004	.2033	.2062	
12°	.2091	.2119	.2148	.2177	.2206	.2235	
13°	.2264	.2293	.2322	.2351	.2380	.2409	
14°	.2437	.2466	.2495	.2524	.2553	.2582	
15°	.2611	.2639	.2668	.2697	.2726	.2755	
16°	.2783	.2812	.2841	.2870	.2899	.2927	
17°	.2956	.2985	.3014	.3042	.3071	.3100	
18°	.3129	.3157	.3186	.3215	.3244	.3272	6 11 17 23 29
19°	.3301	.3330	.3358	.3387	.3416	.3444	
20°	.3473	.3502	.3530	.3559	.3587	.3616	
21°	.3645	.3673	.3702	.3730	.3759	.3788	
22°	.3816	.3845	.3873	.3902	.3930	.3959	
23°	.3987	.4016	.4044	.4073	.4101	.4130	6 11 17 23 28
24°	.4158	.4187	.4215	.4244	.4272	.4300	
25°	.4329	.4357	.4386	.4414	.4442	.4471	
26°	.4499	.4527	.4556	.4584	.4612	.4641	
27°	.4669	.4697	.4725	.4754	.4782	.4810	
28°	.4838	.4867	.4895	.4923	.4951	.4979	
29°	.5008	.5036	.5064	.5092	.5120	.5148	
30°	.5176	.5204	.5233	.5261	.5289	.5317	6 11 17 22 28
31°	.5345	.5373	.5401	.5429	.5457	.5485	
32°	.5513	.5541	.5569	.5597	.5625	.5652	
33°	.5680	.5708	.5736	.5764	.5792	.5820	
34°	.5847	.5875	.5903	.5931	.5959	.5986	
35°	.6014	.6042	.6070	.6097	.6125	.6153	
36°	.6180	.6208	.6236	.6263	.6291	.6319	
37°	.6346	.6374	.6401	.6429	.6456	.6484	
38°	.6511	.6539	.6566	.6594	.6621	.6649	5 11 16 22 27
39°	.6676	.6704	.6731	.6758	.6786	.6813	
40°	.6840	.6868	.6895	.6922	.6950	.6977	
41°	.7004	.7031	.7059	.7086	.7113	.7140	
42°	.7167	.7195	.7222	.7249	.7276	.7303	
43°	.7330	.7357	.7384	.7411	.7438	.7465	
44°	.7492	.7519	.7546	.7573	.7600	.7627	

Las diferencias estan en diez milésimos del Radio

TABLA IV Cuerdas a un radio 1, para trazo de ángulos

Angulo	0'	10'	20'	30'	40'	50'	DIFERENCIAS 2' 4' 6' 8' 10'
45°	.7654	.7681	.7707	.7734	.7761	.7788	5 11 16 21 27
46°	.7815	.7841	.7868	.7895	.7922	.7948	
47°	.7975	.8002	.8028	.8055	.8082	.8108	
48°	.8135	.8161	.8188	.8214	.8241	.8267	
49°	.8294	.8320	.8347	.8373	.8400	.8426	5 11 16 21 26
50°	.8452	.8479	.8505	.8531	.8558	.8584	
51°	.8610	.8636	.8663	.8689	.8715	.8741	5 10 16 21 26
52°	.8767	.8794	.8820	.8846	.8872	.8898	
53°	.8924	.8950	.8976	.9002	.9028	.9054	
54°	.9080	.9106	.9132	.9157	.9183	.9209	
55°	.9235	.9261	.9287	.9312	.9338	.9364	5 10 15 21 26
56°	.9389	.9415	.9441	.9466	.9492	.9518	
57°	.9543	.9569	.9594	.9620	.9645	.9671	5 10 15 20 26
58°	.9696	.9722	.9747	.9772	.9798	.9823	5 10 15 20 25
59°	.9848	.9874	.9899	.9924	.9950	.9975	
60°	1.0000	1.0025	1.0050	1.0075	1.0101	1.0126	
61°	1.0151	1.0176	1.0201	1.0226	1.0251	1.0276	
62°	1.0301	1.0326	1.0351	1.0375	1.0400	1.0425	
63°	1.0450	1.0475	1.0500	1.0524	1.0549	1.0574	
64°	1.0598	1.0623	1.0648	1.0672	1.0697	1.0721	
65°	1.0746	1.0771	1.0795	1.0819	1.0844	1.0868	5 10 15 20 24
66°	1.0893	1.0917	1.0912	1.0966	1.0990	1.1014	5 10 15 19 24
67°	1.1039	1.1063	1.1087	1.1111	1.1136	1.1166	
68°	1.1184	1.1208	1.1232	1.1256	1.1280	1.1304	5 10 14 19 24
69°	1.1328	1.1352	1.1376	1.1400	1.1424	1.1448	
70°	1.1472	1.1495	1.1519	1.1543	1.1567	1.1590	
71°	1.1614	1.1638	1.1661	1.1685	1.1709	1.1732	5 9 14 19 24
72°	1.1756	1.1779	1.1803	1.1826	1.1850	1.1873	5 9 14 19 23
73°	1.1896	1.1920	1.1943	1.1966	1.1990	1.2013	
74°	1.2036	1.2060	1.2083	1.2106	1.2129	1.2152	
75°	1.2175	1.2198	1.2221	1.2244	1.2267	1.2290	5 9 14 18 23
76°	1.2313	1.2336	1.2359	1.2382	1.2405	1.2428	
77°	1.2450	1.2473	1.2496	1.2518	1.2541	1.2564	
78°	1.2586	1.2609	1.2632	1.2654	1.2677	1.2699	
79°	1.2722	1.2744	1.2766	1.2789	1.2811	1.2833	4 9 13 18 22
80°	1.2856	1.2878	1.2900	1.2922	1.2945	1.2967	
81°	1.2989	1.3011	1.3033	1.3055	1.3077	1.3099	
82°	1.3121	1.3143	1.3165	1.3187	1.3209	1.3231	4 9 13 17 22
83°	1.3252	1.3274	1.3296	1.3318	1.3339	1.3361	
84°	1.3383	1.3404	1.3426	1.3447	1.3469	1.3490	
85°	1.3512	1.3533	1.3555	1.3576	1.3597	1.3619	4 9 13 17 21
86°	1.3640	1.3661	1.3682	1.3704	1.3725	1.3746	4 8 13 17 21
87°	1.3767	1.3788	1.3809	1.3830	1.3851	1.3872	
88°	1.3893	1.3914	1.3935	1.3956	1.3977	1.3997	
89°	1.4018	1.4039	1.4060	1.4080	1.4101	1.4122	4 8 12 17 21

Las diferencias están en diez milésimos del Radio

Hi Tom;

This is Bob Reitsma, the friend of Iain Ann France doing ornithological field work in the Montes Azules Biosphere Reserve of Chiapas, Mexico. We met briefly one afternoon during your short but sweet visit to the Biological station here in the Reserve. I enjoyed chatting with you, too bad time didn't allow for more of chatting and I ~~forgot~~ neglected to ask you ~~a whole lot of~~ ~~about~~ how the Alm. Crit. Ecosystem project was going in Amazonia. Your role in that project probably has diminished some since your job switch but I'm sure you know ~~about~~ what's going on there anyway. An ambition of mine is to be involved in field work in Amazonia some time and I forgot to tap into your experience and ask you for any names, places, etc. to get in touch with regarding this ambition. If you have can suggest anything or anyone, I'd appreciate it if you could jot it down and send it to New Hampshire along with Iain & Anne's ~~ne~~ address. ~~At least~~ The very least the address would be appreciated (and is probably the most important).

Thanks tons! Again, GREAT chatting with you and the others. It changed me alot. Nice to know folks can be more well-known folks but it's nice to know folks can be very pleasant people as well of this world ~~are real people~~ as well

Date	Loc	Mounts	Shade Mam
15	Lxcon	8 Chaparro	25
11	Station	3 Reflerra	
		11 Loma	
		11 Lopez	
		3 Romero + Blancas	
		25	
2			
2			
2			
8			
10		Gallery Forest	
94		26	

Point Counts AMs

2°F	3
Cacao	2
Gal Forest	2
Forest Edge	4
Scrub	1
Forest Mam	2
Scrub Mam	2
Shade Mam	
	15 mornings

2 observers = 7 mornings / 3 morn/wk = 2.3 wks

I ~~wh~~ wish for you continued sanity in your very demanding but extremely important work. Keep on keepin on ~~bro~~!

Peace, Bob

1 AFR Ed's Pastiero
1 SUTA 2/9 Sa Air cadm Im Arroyo veg